Beyond Biometrics

FingerTec in Retrospect

A Silver Lining in Every Cloud
Catch up on the release of TimeTec Cloud, and what this means for the attendance industry.

FingerTec Around the World
View our international implementation stories of FingerTec.

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The L-Factor for Global Success
To go international, your brand needs more than just translation.

Ingress: Access Control at its Best
A peek at FingerTec's latest access control software.

Larger than Biometrics

There's something about biometric products that holds its own attraction, more so than the industries they actually serve.

This is why some players in the industry tend to put forward amazing products before you, eagerly illustrating how fingerprint verification or face recognition devices work in a mini-demonstration. In the meantime, the software aspect manages to escape tight and careful scrutiny.

The fact of the matter is, the core purpose of a biometrics device is ultimately defined and decided by its software. The biometric device itself is simply 'soulless' with the supporting software ignored.

With the FingerTec brand, our customers can spot how much we really emphasize on software, even though the real charmer is the hardware, like a natural magnetic force, pulling them in. This past year, we have stressed the importance of software by introducing three new major applications to our software family throughout 2012. Firstly, TimeTec Cloud as the workforce management software based on cloud technology; secondly, Ingress as the new generation access control application, and thirdly,

OFIS Gateway, the secure single sign on software, were released after dedicated years of development to enhance our solutions.

The reason is simple, because the threshold can be varied in the future, from cards to biometrics or to NFC (Near Field Communication); platforms may be reshaped, from Windows to Web, or to private and public Cloud; and mediums will be diversified too, from PCs to tablets to smart phones, but the solution of serving either the physical or logical access control industry as well as time and attendance management, would remain timeless.

Since establishing ourselves in 2000, we have always believed that there is something larger than just biometrics out there. Accordingly, Beyond Biometrics was adopted as our slogan, to remind us that the success of FingerTec would not solely depend on how fast and accurate our fingerprint or face recognition algorithm is – instead, we should be divulging beyond the boundary to look into the industry at a larger perspective.

And, our comprehension of serving the industry has different levels too. Acceptance is just the entry point, and satisfaction would be the next to ensure success; but we aim for the highest, which is to reach out to our customers, by their hearts. Can our products, solutions, and services achieve that? We won't pledge this just yet, but we are working extraordinarily hard at it.

Now, to touch your heart, we unveil the 2013 version of the Beyond Biometrics annual magazine. We do hope you find us exceptional at the first glance, and as time goes by, we hope to be exceptional in everything we do.

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Leaps and Bounds in 2012

Today's consumers' expectations on the market trend have changed. The days when potential buyers wait back for something new to be introduced to the market are over. Technology users are now becoming demanding, constantly inquiring about new technologies, new features and new outlooks in a product, directly to the manufacturers or indirectly through various reviews and write-ups in online and mainstream publications.

In keeping up with the market's expectations, FingerTec has introduced various new products to stay ahead of the competition and to fill in the gap of its product line in 2012.

Since the birth of the FingerTec brand, research and development has been an integral part of the company. Every effort is injected to better our hardware, and at the same time, the focus also is stressed on providing customers with beneficial and relevant software for the targeted industries.

Over this year, numerous improvements were made to the core software, TCMS V2, which is currently serving thousands of customers worldwide, featurewise as well as on its user-friendliness. Meanwhile, the release of TimeTec Web and TimeTec Cloud at the end of the year aims to satisfy the need for SME customers who prioritize data connectivity 24/7.

And in all the excitement to look forward to 2013, we end the year with a bang by introducing Ingress, the advanced access control management software, which targets the security sector at large. This software will mark the beginning of FingerTec's in-depth journey into the access control industry, bringing the focus now equally to door access as our time attendance line.

Glancing back at the past 12 months, here is an quick look at what made the year 2012 at FingerTec a memorable and eventful one.

New Product Releases

Face recognition, slave terminals, and a variety of software applications; it was a successful production year for FingerTec!

Face ID 4   k-Kadex   R2c

Website Re-launch

We went through a complete makeover of our official website in 2012. Now enjoy a more contemporary navigation-style to our various resources.
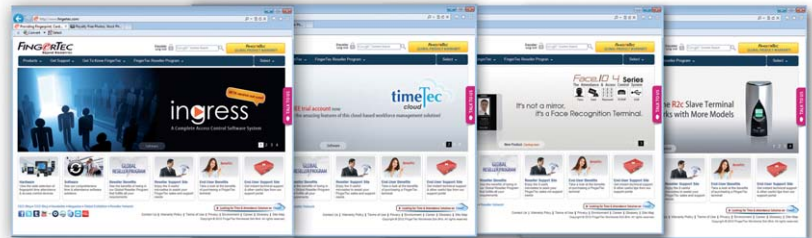
Active Advertising

From magazines to social media to online marketing. FingerTec is gaining momentum in advertising!

Achievement Awards

FingerTec was awarded Certificate of Excellence by Ministry of International Trade and Industry (MITI), Malaysia.

At that, we hope that this coming year brings us as promising and eventful moments of recognition for FingerTec and its products..

Leading by Example with Installation in Domino's Pizza, Jordan

A Domino's staff clocking in his attendance.

Making an installation in a well-known establishment definitely is beneficial for a company in more ways than one, as Euro Jordan has experienced first hand.

Domino's Pizza in Jordan, decided to follow suit of another fast food establishment by installing FingerTec devices in their premises as a time attendance solution for their employees record and had approached our resellers from the Euro Jordan Trading Company for the proposed project.

"After meeting the general manager of Domino's Pizza Mr. Osama Halaseh, he immediately signed us up for the project without any hesitation and started recommending the relevant staff that are to be trained in the system", mentioned Jawad Yacoub, Sales & Account Manager of Euro Jordan Trading Company.

Branches of Domino's Pizza around the capital city of Amman are now installed with FingerTec TA100C to monitor attendance. In the future more nationwide branches will be covered. Extensive training being conducted by Euro Jordan on how to use the terminals as well as the software TCMS V2 to process the data in the terminals has been very well received.

With the system newly installed, Euro Jordan has done follow ups on the pizza franchise and received positive reviews on how the system has eased the calculation of working hours and has also made staff management and centralization of data in their headquarters a much simpler process. A great deal secured by our Jordanian client indeed! ℮

FingerTec in Healthcare Chain of UAE

From its inception in 1975, NMC Healthcare has evolved into a world-class integrated healthcare company with a wide network of hospitals, medical centres, and pharmacies across the UAE. Headquartered in Abu Dhabi, the HR department wanted a centralized attendance report to be available whenever required in the HQ. The main challenge in this installation was centralizing the many branches with the HQ, while taking into account the rotating shifts within the branches.

As the scale of the installation was going to be vast, Q-Line, the local dealer of the main FingerTec distributor, which is Magnum Connect, suggested a pilot run on few departments as a start. At the success of the 2-week pilot, Q-Line then proceeded to install all 45 units of the TA103TC in the first 5 centers of the NMC within Abu Dhabi. This was just the first stage; the second and third stages of installations are due to start in the coming year, with a total of up to 200 units to be installed within the entire NMC group in UAE.

Magnum Connect was appointed as the official distributor of FingerTec items in the UAE since 2005. Based in Dubai, the company has appointed several dealers such as Q-Line locally to represent them in the different emirates of the UAE. ℮

Central Bank of Iraq Affixed with i-Kiosk 100 Plus

First it was the Central Post Office, and now the Central Bank of Iraq; Ain Al-Zulal, our esteemed FingerTec distributor in Iraq, always manages to seize the right opportunities for implementing FingerTec's solutions.

The Central Bank of Iraq which was established as Iraq's independent central bank in the year of 2004, was looking for the best way to automate the staff attendance information while having to spend only little time and effort in compiling routine reports.

Previously, in an annex building to the bank, Ain Al-Zulal had already installed 3 units of the FingerTec i-Kiosk 100 Plus. The current management of the bank then inspected and tested this device, and decided to go ahead with installing more units, due to the reliability of the terminals. As a result, the staff takes a shorter time to verify their attendance, which reduces congestion during the start and end of working hours. Training was conducted for those who will be using the system, to teach them how to perform the basic functions, generate and analyze reports, and conduct a few troubleshooting steps.

Ain Al-Zulal is proud to announce the addition of this installation to their customer list, as they hope to secure more projects based on this trusted reference. ℮

Bank and Café System Implemented in Angola

Banco BIC is a privately owned Angolan bank, consisting of domestic and foreign investors. They are an institution that seeks to cover the national market retail, and also devote themselves as a privileged partner in Angolan business. The expertise of their staff is based on more than 30 years of banking experience in Angola, constituting a team of specialized professionals, dedicated and qualified for the national market as well as in the international arena.

In September 2011, TecNet Angola, FingerTec's active distributor in the region, won the tender to implement the time attendance system at one of the largest banks in Angola, Banco BIC. The contract involved 140 units of AC100C, FingerTec's multimedia colour time attendance terminal. The implementation began with 75 agencies in Luanda.

TecNet Angola quickly implemented the system to the Banco BIC agencies in Luanda, however they noticed a few hiccups when it came to power sourcing, compatibility of fingerprint templates and compatibility of FingerTec's data with other systems. Nevertheless, those problems were swiftly managed and solved by TecNet Angola, and by the end of 2011, TecNet was asked to create a system with the terminals that would be able to record each Banco BIC's employee's consumption in the restaurant of the bank's headquarters.

TecNet Angola then implemented a software system that operates in line with the AC100C terminal to verify consumption by each employee. This software then exports data collected by FTDP, FingerTec Data Processor to a third party application, thus automatically deducting the total restaurant consumption from the wages of employees.

With the launching of TimeTec Web, the powerful web-based solution for automated Time & Attendance to suit most businesses, Waldemar d'Orey, the General Manager of TecNet Angola, said he was glad he opted for a color screen model like AC100C as the model is able to support TimeTec Web. Banco BIC will be looking into using TimeTec Web for integration in the near future.

"At this point we have reached the number of units initially indicated in the contract. Now implementation is expected to reach 200 branches throughout Angola. It's been very interesting work that has allowed us to travel across the country and know this beautiful country that has quite a heterogeneous geography," added Waldemar when asked about the status of the project.

Managing Staff of Le Meridien, Lagos

Le Meridien is one of the world's renowned hotel companies, with a portfolio of more than 100 luxury and upscale hotels in over 50 countries worldwide. Located in hotspot cities of the world, Le Meridien hotels provide top-notch quality when it comes to hospitality. Recently, FingerTec products caught the eye of the Le Meridien in Lagos, Nigeria as a time attendance solution for their hotel.

It all began during one of the largest security shows in Africa, the IFSEC West Africa 2012. The event itself was held in the Le Meridien Hotel, and while making their rounds in the exhibition, the management staff of the hotel spotted Rapid Vigil's booth, which offered total attendance and access solutions. Being in a hotel industry, many of the employees in the hotel work within specified shifts, to ensure that the hotel services function round-the-clock.

After seeing what FingerTec terminals and the software could do, the hotel decided to equip their premises with the FingerTec AC100C, and the R2 & R2i units for their main management office. Using the TCMS V2 to manage and analyze reports, the best part about using FingerTec, according to the management, was that they could get rid of all their conventional system, which can be a real messy ordeal to deal with.

Rapid Vigil has been a FingerTec partner since the year 2005, and is the official and exclusive distributor of the FingerTec brand in Nigeria. Emphasizing on training and support, the company has grown far since, and is one of the top security solutions companies in the country. &

Le Meridien in Lagos, Nigeria.

Going Further in the Logistics Industry, Malaysia

A container haulage company in Malaysia that has been around for 25 years, Konsortium Logistics Berhad has a modest fleet of 15 prime movers and 60 trailers serving only the northern states of Peninsular Malaysia. With the growing demand for logistics services in the region, KLB then decided on the expansion of its operations to serve the Port Klang region. Being one of the leading integrated logistics service providers, they offer a complete range of solutions in automotive, government and industrial manufacturing.

With the previous system of using traditional punch cards, Konsortium Logistics Berhad decided it was time to modernize their system to an automated method. In seeking a solution to this, FingerTec's reseller Bumi Engineering And Consultancy Sdn. Bhd. came into the picture.

"The client contacted us requiring an automated time and attendance system for their company. We suggested the FingerTec Q2i for two main reasons; firstly, if they want to upgrade their system to include access control in the future, they wouldn't have to change the system, and secondly because FingerTec products are user-friendly, warranted, and supported round the clock should there be any technical difficulties," mentioned Mr. Azfar, Managing Director of Bumi Engineering And Consultancy Sdn. Bhd.

At the present time, there are 24 FingerTec Q2i terminals installed in all of the Konsortium Logistic branches in Peninsular Malaysia, effectively monitoring and automating the attendance data of their 1500 employees. *e*

FingerTec USA Simplifies
Time Attendance for Hotel Chain

2012 for FingerTec USA has been an eventful one, having achieved goals we set in our milestones, and securing a number of prestigious installations along the way, under the team led by Mr. Joel Kohn, the managing director of FingerTec USA. One of our exciting developments for this year has been our inclusion in many hotels nationwide, with the Holiday Inn being one of those clients.

Holiday Inn is an iconic chain of 3-star budget hotels, which started out in America and currently has close to 2000 chains nationwide. The brand also has made its name internationally with its hotels located in Europe, Middle East, Africa and Asia Pacific. Having recently celebrated its 60th Anniversary, the Holiday Inn was one of the first hotel chains to introduce online booking and air-conditioning in their guest rooms; a feature now standard in most hotels.

Being in the hotel industry, most of their employees work on shifts that tend to rotate now and then. These shifts and unconventional working hours can be managed easily with the extensive TCMS V2 time attendance software which can be programmed to handle rotational shifts, and generate duty rosters per month. When approached by the hotel to implement a time attendance system, the solution came straight to FingerTec USA: the AC100C. The simple set up and ease of installation specifically on the AC100C has led to many sales prior to this.

To quote Rajiv from Texas Holiday Inn **"I love how easy it is to set up and run my own reports. With FingerTec USA there is no need to pay crazy monthly fees or have a bookkeeper keep track of the hours, our FingerTec terminals do it all."**

Through our excellent customer service and constant upgrading of FingerTec devices we have become the trusted brand in time and attendance in America as well as internationally. FingerTec USA is also proud to announce that FingerTec systems have been installed in the governmental offices of the Parks & Recreations Department in Tennessee. Launching many new resellers this year ranging from Saskatchewan, Canada to Puerto Rico to California, the FingerTec brand has truly made its made its mark in America. *e*

OMNI Hospital Medical Centres Indonesia Secured with R2

Located in East Jakarta and Tangerang of Indonesia is OMNI Hospital Medical Centres, one of the most renowned private hospitals that has been catered to providing for the needs of Indonesia's public health. It has been opened officially since 1972 as a sanatorium for the treatment of patients with mental illnesses and in 2001, it then decided a change in its name from OMC to OMNI Hospital Medical Centres. This is a private hospital that oversees all the needs of public health with the vision of becoming the leading hospital in the region, which includes the provision of comprehensive health care with international management standards.

To heighten up security in the medical centre, OMNI Hospital decided to seek advanced security systems such as biometric devices. Impressed with the capability of biometric devices, they decided to have the two medical centres located in East Jakarta and Tangerang, Indonesia to be equipped with it. It was then that they discovered and approached FingerTec's partner in Indonesia since 2005, PT Retailindo, to install 16 units of FingerTec R2 along with access control facilities for securing their admin offices from access to any unauthorized personnel.

"We at PT Retailindo are proud of this project as it involves one of the well-known medical centers in the healthcare industry. Hopefully, this will open a lot more opportunities for us," mentioned Mr. Eviek Gunawan, Managing Director of PT Retailindo, Indonesia. ℮

FingerTec Powered Up in the National Grid Corporation of Philippines
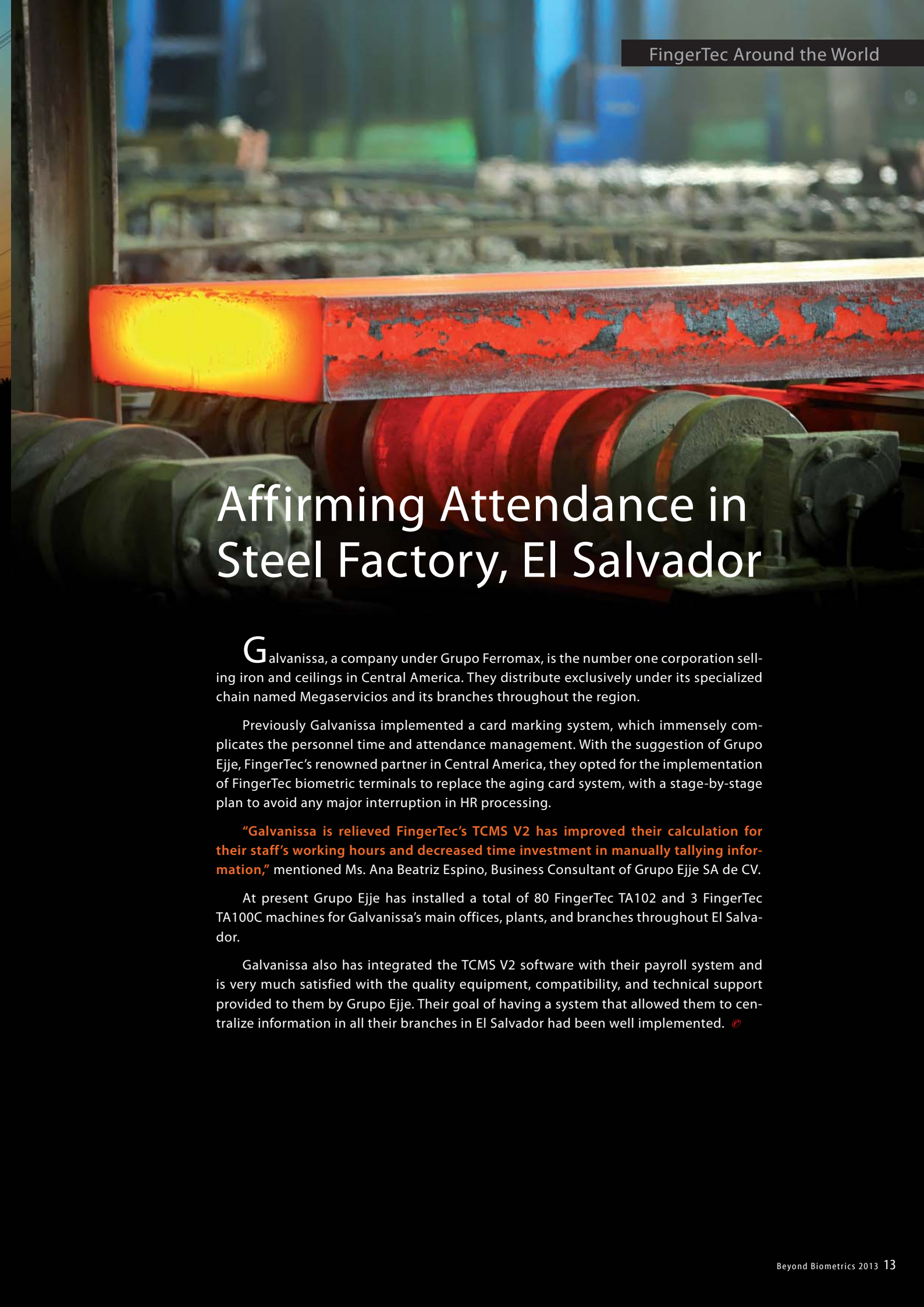
A fully private corporation, the National Grid Corporation of the Philippines, also known as NGCP, won the franchise to operate and maintain the country's transmission network in the biggest government auction conducted in efforts to reform the local power sector. As the system operator of the power grid, NGCP balances the demand and supply of electricity to serve efficiently all of its customers such as generators, private distribution utilities, electric cooperatives, etc.

The NGCP recently had built a new substation, or as referred to in the industry as a "remote site". This remote site contains newly developed buildings to be used as offices and for facilities to manage and operate their substation. All the controls, communication equipment and security devices are to be located in this building.

Already having a branch installed with access control and time attendance systems in Singapore, the NGCP approached Calvelo Engineered Systems and requested for a similar product for their new building. After some inquiry, it was found that the FingerTec R2 will be suitable for the company, as it is even more advanced than the one installed by their branch in Singapore.

The company also required that the terminals be HID card compatible and that it comes with a comprehensive time attendance and access control software. After sealing the project, Calvelo Engineered Systems installed 32 units of R2 in the new building of the NGCP. As the areas secured by the R2 is of high security, all the R2 units were set to receive 2-3 methods for verification depending on the priority of the secured area.

And with the TCMS V2 software which allows extensive time attendance and access control customization and management, and also inter-branch centralization, a FingerTec system was just the solution for the NGCP. ℮

Affirming Attendance in Steel Factory, El Salvador

Galvanissa, a company under Grupo Ferromax, is the number one corporation selling iron and ceilings in Central America. They distribute exclusively under its specialized chain named Megaservicios and its branches throughout the region.

Previously Galvanissa implemented a card marking system, which immensely complicates the personnel time and attendance management. With the suggestion of Grupo Ejje, FingerTec's renowned partner in Central America, they opted for the implementation of FingerTec biometric terminals to replace the aging card system, with a stage-by-stage plan to avoid any major interruption in HR processing.

"Galvanissa is relieved FingerTec's TCMS V2 has improved their calculation for their staff's working hours and decreased time investment in manually tallying information," mentioned Ms. Ana Beatriz Espino, Business Consultant of Grupo Ejje SA de CV.

At present Grupo Ejje has installed a total of 80 FingerTec TA102 and 3 FingerTec TA100C machines for Galvanissa's main offices, plants, and branches throughout El Salvador.

Galvanissa also has integrated the TCMS V2 software with their payroll system and is very much satisfied with the quality equipment, compatibility, and technical support provided to them by Grupo Ejje. Their goal of having a system that allowed them to centralize information in all their branches in El Salvador had been well implemented. ℓ

FingerTec Securing Zambian Breweries

Zambia is a country that has been known to have well-organized agricultural sector and paired with the favourable climate and soil conditions to produce good yields, Zambian Breweries has much flourished in the brewery industry using all home-grown ingredients. Delija Dynamics, a reseller of FingerTec South Africa, secured a project with the Zambian breweries. Zambian Breweries Plc (ZB), National Breweries Plc (NB) and Heinrichs' Beverages (HB), who are all leaders in the Zambian beverage industry have merged to proceed with this project at their Lusaka and Ndola sites.

Focusing on giving long-term solutions with excellent support and enthusiasm to their clients throughout South Africa, Delija Dynamics have now installed a total of 90 FingerTec terminals with an amount of 3500 staff on hand to be matched for this project of Zambian breweries.

They are continuing to install more FingerTec Q2i and FingerTec TA100C readers to improve their overall solution and help minimize the cost and time spent on staff management.

Delija Dynamics always tries to think 'outside the box' and were able to assist them by using the access control method at their canteen to monitor the number of meals given to staff daily as they clock in. With the efficiency of technical support provided, they have been able to offer outstanding support to their clients and with multiple communication methods via e-mail, Skype and Teamviewer, it has made software updates simple and swift.

Delija is committed to excellence and will continue to have the FingerTec brand as their core business. They mentioned that **"the simplest of enquiries are dealt with promptly and with the committed support from FingerTec Worldwide, we have a dedicated team behind us"**. ℮

A Delija technician installing the TA100C.

Air Maintenance Estonia Equipped with Face ID 2

Air Maintenance Estonia (AME) is an Aircraft Maintenance and Repair Organisation. It is a company that is dedicated in keeping their customers' aircrafts in top shape throughout the entire flight. They have been in the business of maintaining aircrafts since 1995.

Their office is equipped with all sorts of modern communications, but what they didn't have was an automatic time attendance system. Previously everything was based merely on trust and a lot of paperwork, but since the company is constantly growing, they are looking for innovative ways to upgrade and automate the system for the convenience of their staff and administration.

Energiatehnika LIt. , our partner in Estonia, offered the solution of recording their staff's time attendance with the FingerTec Face ID 2 that has dual verification method of facial recognition and fingerprint. The new improved algorithm of FingerTec's facial recognition technology ensures a fast and ac-

curate process of enrollment and verification. Their staff now no longer needs to record it manually as all will be collected by the TCMSV2 software that is bundled together with the reader.

Air Maintenance Estonia values the dedicated hours that their workers put in working on the airplanes and have accepted this solution by installing 4 units of Face ID 2 at their location in Tallinn Airport. Now, even if their workers hands are full or greasy from maintaining an aircraft, all they have to do is stand in front of the Face ID 2 – the contactless solution goes a long way in industries such as this one.

"The right data is everything today because everybody knows nobody gets richer by signing checks for services they don't understand. Luckily, FingerTec products offers a huge amount of valuable data to understand workers services," mentioned Mr. Mart, Marketing Specialist of Energiatehnika LIt. ℮

Global Reseller Program

Conclude Sales Fast.   Reduce Support Cost.   Get Better Profit.

Welcome to our Global Reseller Program, an effective reseller program formulated with two clear objectives: to conclude sales in no time, and to reduce support costs for a more prof itable operation. Using 4 simple modules and 8 useful microsites, FingerTec Global Reseller Program is tailor-made to fulfill all the requirements of a reseller. Let's walk through what FingerTec has for you as our Global Reseller.

Module 1	Module 2	Module 3	Module 4
Marketing	**Product**	**Training**	**Support**

Marketing

FingerTec offers two websites to cater to your marketing requirements when you promote FingerTec's product line.

Website 1: Online Sales Resources

sales.fingertec.com lets you obtain various resources to carry out effective sales pitch.

Sales Materials
- Video Demonstrations
- Powerpoint Presentations
- Product Factsheets

Sales Reference
- Distributor Guidebook
- Success Stories
- Image Banks

Useful Reference
- Certifications
- Awards
- Global News
- Monthly E-newsletters

Website 2: Sales Materials

material.fingertec.com lets you order hardcopies of sales materials, presentation kits and supplementary marketing items to boost your marketing.
- Brochures, Buntings, Posters
- Videos
- Demo Kits
- Display Casings

Product

FingerTec offers three websites to present how FingerTec makes things easy when it comes to operating the products and support handling.

Website 3: Product Listing

product.fingertec.com presents to customers the full list of items that are included in a package of FingerTec's product for clients to make informed decisions.

Website 4: User Support

user.fingertec.com lets end customers find relevant information for their FingerTec system after the sales.

Website 5: Accessories

accessory.fingertec.com provides customers options to source necessary accessories from FingerTec as a one stop centre providing you with everything you need.

On top of that FingerTec also offers multiple channels of effective communication when it comes to obtaining information about FingerTec products and their technical specif ications, features and capabilities.

✉ **Email:** Drop an email to info@fingertec.com and a reply will reach you the soonest.

Training

Knowledge is the key to gain customer satisfaction. FingerTec Trainings are tailor made for two target groups, sales personnel and technical personnel.

Website 6: Product Training

training.fingertec.com contains 3 major syllabus to satisfy all target audiences.
- Sales Training
- Product Training
- Technical Training

Test your understanding of FingerTec's system by sitting for an in-house exam. A certificate of training will be issued to your name once you've passed the exam(s).

Support

The key to successful sales and having a loyal customers is the ability to provide good support all year round. When a customer feels supported, you know you have done a good job.

Website 7: Technical Tips

tips.fingertec.com is for resellers to obtain information about various issues concerning FingerTec technical matters including troubleshooting, hardware and software tips, repair video clips, advanced repair program and etc.

Website 8: Global Product Warranty

warranty.fingertec.com makes warranty claim effortless for resellers. FingerTec covers 24 months limited hardware warranty for end users, and 28 months for resellers. Check out the warranted & unwarranted parts in this website. Find out how our Spare Part Allocation Scheme, Warranty Policy and Product End of Life Policy eases your warranty concerns.

✉ **Email:** Contact support@fingertec.com and a reply will reach you within 12 hours, guaranteed.

💬 **Online Chat:** Skype and MSN us for quick support (GMT +8).

🔄 **Team Viewer:** Allow us first-hand view of errors and glitches, and lets us fix them for you instantly.

Additional Advantages
- 28-month manufacturer limited warranty.
- Complimentary Powerful Time Management Software with Multilanguage Selection.
- FingerTec TCMS V2 Viewer for access into attendance data via LAN.
- Inclusive of FingerTec Data Processor (FTDP) for extraction of raw data.
- Free BioBridge System Development Kit (SDK) for third party software integration.
- Quality Lead Referrals.

This Program Applies To
- Office Automation Industry.
- Security/Physical Access Control Industry.
- Solution Providers who are interested to add fingerprint technology.
- Time Attendance Industry.

How To Become A FingerTec Reseller
- Buy Sample Units to test the technology, to understand the system, and to experience what FingerTec has to offer. Visit www.fingertec.com/sample-pack for more info.
- Determine the level of commitment you prefer as a FingerTec reseller.
- Start your business and enjoy all the benefits from FingerTec Global Reseller Program. Get started now by sending an email to us at info@fingertec.com.

FINGERTEC is made available in more than 120 countries, installed in tens of thousands of sites worldwide and used by millions around the clock.

Automating Your Office with FingerTec Biometric Devices

Biometrics identification systems are becoming a common trend in today's office automation. However, getting to this level was not an easy task. Slowly but surely, the management of various workplaces has started seeing the benefit of employing a biometric system for their staff management as it decreases inaccuracy caused from incidents such as buddy punching.

Aside from offering competitive price for all its fingerprint products, FingerTec is a company that puts a lot of effort to present its products as DIY, mending the gap between the technology and our customers, to significantly reduce implementation time and costs.

Let us walk you through the advantages of choosing a FingerTec biometric device.

What can you expect when you purchase a FingerTec terminal

Top Quality Hardware

FCC and CE certified, discreet QC, proven 1:N verification, basic and advanced time attendance and door access settings – All in all, FingerTec products are reliable and user-friendly, as proven by our various certifications of quality control.

Global Product Warranty

When you purchase a FingerTec biometric terminal, it comes with a **24-month limited end-user warranty** period from the date of your purchase. This means that if any warranted part starts to malfunction or does not work properly, we will fix or replace the part for you without any further questions. Simple and straightforward.

Extensive Software Support

All our products come with a bundled software called the TCMS V2 – A proven software that provides comprehensive time attendance and access control functionalities, generates a various 16 useful reports, seamlessly integrates with all FingerTec hardware that are being used by thousands around the world.

Going Green All-in-One CD

The going green CD contains everything you need. In lieu with our new mission to reduce carbon footprints associated with FingerTec, we have now compacted our software, video guides, quick start guides, installation guides, and manuals into one CD called the FingerTec Going Green CD. These manuals are paginated so that if needed, you may print them out without any hassles. Also in our CD are some of our useful external links such as to our dedicated End-User website and our warranty registration site.

End User Support Site

FingerTec goes out of its way to make its end-users feel supported. That's why we've created the End-User Support Website *(user.fingertec.com)*. In this website, you'll find links connecting you to our warranty registration site, our technical tips, our catalog of accessories, and the latest updates for our software, the TCMS V2. Have you lost your TCMS V2 key? Simply head over to the website to retrieve a new one, or you can also drop your comments through our feedback form.

Email and Online Support

And if that's not enough, FingerTec also has various other forms of support and communication that you might need if you find yourself facing a tough time with our product. Should you have an inquiry, simply drop an email to *info@fingertec.com* and get a reply within 24 hours, or if you find yourself facing a problem with one of our products, you can email *support@fingertec.com* to get a reply within 12 short hours, or you can add our certified technicians to your preferred online chat interface and communicate with them directly!
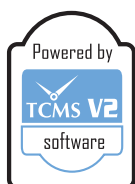
Powered by TCMS V2 software

FINGERTEC is made available in more than 120 countries, installed in tens of thousands of sites worldwide and used by millions around the clock.

2012
Product Highlights

FING∈RTEC
Beyond Biometrics
w w w . f i n g e r t e c . c o m

FingerTec k-Kadex

RFID
Card

1	2	3
4	5	6
7	8	9
Password

The latest addition to the Kadex series, the k-Kadex is another slave reader that accepts not only card but also code verification. The k-Kadex's smooth touchscreen keypad and classy aesthetics makes it a suitable slave reader to be installed in any kind of office environment. The k-Kadex is IP 65 approved, and can work with any of the Kadex master series, or as a stand alone with the FingerTec Ingressus or any external access controller with a built-in memory for user templates and transaction logs. Being a slave reader, the k-Kadex makes it affordable for everyone to install a complete IN / OUT access control system in their workplace.

FingerTec R2c

Fingerprint   *Card

Yet another slave reader by FingerTec, the R2c is in fact an upgraded and improved version of the previous slave reader, the R2i. Accepting both fingerprint and card verification (depending on its master terminal), the R2c works with the R2, Q2i, i-Kiosk 100 Plus and AC900 to create a cost-effective entry-exit reader. Building on the minor limitations of its predecessor, the R2c is now more flexible when it comes to installation, with a new improved RS485 wire, which allows the distance between the R2 & R2c pairing to be adjustable.

Optional

FingerTec Face ID 4

Face   Card   TCP/IP   Password   USB
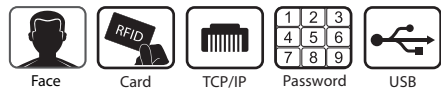
Face ID 4, the all-new powerful facial recognition terminal from FingerTec provides solid identity verification through its contactless biometrics technology, recognizing a face in mere seconds for accurate attendance reporting. Loaded with Face VX 8.0, the latest face recognition algorithm, detecting facial features during enrollment and verification is made quicker and more accurate, and with the high-resolution camera and infrared feature, face detection is possible even under minimal light. The Face ID 4 is designed with precision to excellently position your face for easy recognition, and is suitable for small and medium enterprises that are looking for a hassle-free, sophisticated system.

FingerTec OFIS-Y

Fingerprint   USB

OFIS-Y is FingerTec's latest portable and durable fingerprint scanner released in early 2012. The ergonomic device can be connected directly to a USB port of a computer and act either as a time attendance capturing station, an enrolling station for larger companies using FingerTec terminals, or it can also be customized with the Software Development Kit (SDK) for a variety of applications, such as online login using fingerprint instead of a username and password. Equipped with the latest VX10.0 algorithm and compatible with most Windows platforms, the OFIS-Y also comes with a complimentary software, OFIS Gateway, which lets you configure and use the fingerprint scanner as an alternative method to login to your Windows PC account, or a variety of Internet web-accounts.

FingerTec Ingressus Controller

Fingerprint   Card   Password   Key Tag

The Ingressus is an access controller with a memory capacity of its own that supports access control for a 1-door and 2-door environment. Supporting up to 3,000 fingerprint users and up to 30,000 card/password users, the Ingressus can be connected to any slave terminal (such as the R2c, k-Kadex, and i-Kadex) to act as a standalone access control unit. The Ingressus comes with its exclusive software, Ingress, which possesses extensive and detailed access control features such as multi-card operation, real-time door status monitoring, and interlocking. The Ingressus & Ingress pair is prudently designed for those seeking a biometric system that specializes in access control features. *e*

Taking Attendance to a Higher Platform with TimeTec Cloud

With the release of TimeTec Cloud, the cloud workforce management system, many are inquiring to find out what exactly a cloud-based system means.

The trend of software applications in this decade is slowly moving from a purchased physical application to an online-based subscription system. This has brought a vast improvement in accessibility and flexibility of the application itself to keep up with the fast-paced environment today.

Almost every active Internet user has purchased or tried out some sort of online software application before, however not all understand how the platform works behind the scene. Here, we chat with our Chief Information Officer, Mr. Daryl Choo, an IT graduate from Deakin University, Melbourne, Australia, to give us the scoop on what exactly TimeTec Cloud is, and its implications to the time attendance industry.

It is a big turn for FingerTec to venture into software as their main product line. What was the rationale behind this decision?

All these years, FingerTec has been focusing on selling our biometric devices bundled together with the TCMS V2 time attendance management software. However, along the journey we have received some feedback from our loyal customers, requesting us to insert more flexible features into the software. As we tweaked the software to accommodate our customers needs, eventually we realized that this software has the potential to be the focus of FingerTec, as daily business operations in various industries are growing complicated, and the capability of the TCMS V2 in governing these operations are also expanding.

As such, we have decided to revamp the existing TCMS V2 to shift the application to the Web for easier access and software updating. Hence, we started our development of TimeTec Web followed by TimeTec Cloud.

FingerTec is recognized for its comprehensive time management software, TCMS V2, in the industry and TimeTec is the extension of that application. What prompted the decision to introduce two TimeTec platforms, TimeTec Web and TimeTec Cloud, and what is the difference between the two types?

As mentioned before, we received a lot of ideas and suggestions to run the TCMS V2 totally on the Web. Our R&D team began to work on revamping the data communication method between the terminals and the software based on RESTful web services, which is called Webster. Both TimeTec Web and TimeTec Cloud have embedded the Webster Module to enable transactions, users, and fingerprint templates to be uploaded and downloaded from TimeTec Web and TimeTec Cloud.

To highlight the difference between the Cloud and Web version of TimeTec, TimeTec Cloud is a fully managed service whereas TimeTec Web is offered as a software package. While TimeTec Web needs you to have basic knowledge on server configuration and setup, TimeTec Cloud automates everything online. All the customer needs to do is sign up for an account and purchase relevant licenses, as all the back-end processes are taken care of by our team. As easy as TimeTec Cloud is, some customers do still prefer to setup, manage, and have full control over their database, and that's where TimeTec Web fills that demand perfectly.

What makes you think that people would shift from the complementary software to the paid one?

Well, I would say the main appeal for TimeTec Cloud is the overall convenience. If you take a look around today, there are many services people are willing to fork out money for when it can be simply done on their own. TimeTec Cloud is tapping on the same pull that these services have, which is the fact that it eases the burden of users from having to setup, manage, and maintain their own system. Working lives are getting more hectic by the day, and to know that the attendance of your staff is being stored and monitored automatically for a small monthly fee is always reassuring.

What are the benefits of using a cloud system and who are your target market?

Oh, there is a whole long list I could give you for this. But lets just skim off a few main points here. First, I want to touch on accessibility. Accessibility is the key of TimeTec Cloud in more ways than one. Attendance data that is stored in TimeTec Cloud can be retrieved from anywhere with an Internet connection. That's one form of accessibility. Then there's the multi-user login function of TimeTec Cloud, where anyone, whether you're an admin, supervisor, manager or staff can be assigned an account to access their own attendance information, as well as those of their staff, providing a sort of transparency and trust in a company.

To top it off, TimeTec Cloud offers several modes of clocking in to provide flexibility and mobility, with its multi-platform clock in methods. And all these features are offered at a startup fee of as low as USD 1 per user per month, a small cost for the convenience of not worrying about setting up the software, maintaining the servers, and backing up your company's attendance data regularly. It's a good deal, if you ask me!

Our targeted markets are from developed countries such as the USA, Australia, UAE, and etc. because they are more familiar and more exposed to cloud system. With our full-integrated TimeTec Cloud, you could just sign up, make payment and start using the system right away without any waiting time. Besides that, the Cloud system usage is also growing in ASEAN market. With the government initiative and incentive given for Cloud solution, it is another one of our targeted area as well.

In terms of applying the system, who do you think should sign up for TimeTec Web and TimeTec Cloud respectively?

TimeTec Cloud is suitable for all kinds of industry from multinational companies (MNC) to small & medium enterprises (SME). With its fully managed services, customers can just sign up and start using the system. Companies that choose this approach do so to reduce cost and manpower to maintain the system.

TimeTec Web in return, is suitable for companies that wish to have more control on the software and its database access. Since our entire TimeTec Cloud is hosted in an infrastructure from the USA at this moment, it might not be able to comply with certain companies that practice SOPs, which require company data to reside within its own country. So for this, TimeTec Web provides a suitable alternative to host data in an internal infrastructure.

There are several other companies developing this cloud attendance service. What sets TimeTec Cloud apart from the rest?

TimeTec Cloud is a unique combination of several factors. Our servers are run by the world's leading cloud infrastructure provider, Amazon EC2, and are operated on a multi-tenanted concept. Apart from that, we promise data communication at

its quickest, close to real-time, while running on firewall-friendly port. But I think most of all, what sets us apart from the rest is our Web and Mobile Check-in options, which gives users an opportunity to report their attendance on the go from wherever, whether with or without internet connection. This is one of our unique traits, and we provide these options along in the package to our users as well.

Having a cloud system that is implemented globally would need a lot of stability and support. How is TimeTec Cloud going to achieve this?

Having our servers run on the Amazon Cloud platform provides us much more flexibility in terms of planning our server resources and usage, while enabling us to auto scale its performance based on the usage of our customer automatically. The TimeTec Cloud database also practices Multiple Availability Zone, which means that if one location of our database is experiencing difficulties, the database on another location will automatically step up and takeover to ensure very minimal downtime experienced by our customers. We also have many redundant servers in place on standby, to make sure our performance is not compromised easily.

Support-wise, we will be having technicians on standby for 24hours a day, 7 days a week. For each customer, we will also assign a local reseller who's trained and well versed in TimeTec Cloud as a support agent, in case the customer needs person-to-person support. This, among other precautions taken, is our way of preparing for the global exposure of TimeTec Cloud.

Briefly, what do you think are the challenges for the TimeTec Cloud?

One challenge is to get the public to start accepting the idea of the Software as a Service (SaaS) concept. Even though it is not a new concept, there are still some doubts out there about SaaS, and part of our job is to eliminate these doubts. Secondly, we have to prepare for the unexpected. TimeTec Cloud runs 24/7, which means we can't afford any downtime, and have to ensure we are prepared for any circumstance. Another major issue is maintaining a low cloud hosting cost from our part. It is our challenge to make use of Amazon's auto scaling and high availability features

to allow us to maintain low cloud hosting costs, and enabling us to offer competitive prices to our valued customers.

What would be your future plans for TimeTec Cloud?

We actually have some exciting plans in store should everything run smoothly as expected. We are right now in the midst of discussing the prospects of a Private Cloud in the near future for those not comfortable with the idea of a Public Cloud system, which TimeTec Cloud is. The Private Cloud plans will include features such as personalized URL, direct database access and so on for customers who wish to have superior usage experience managed by our same Cloud engineers. In terms of integration, we are also planning to offer TimeTec Cloud API, a feature for developers to integrate TimeTec Cloud with their existing solution seamlessly. If all our plans fall as expected, we also plan to introduce an App Store for TimeTec Cloud, where software vendors will be writing in plug-and-play applications to upload to our system for users to install as they wish. It is an exciting prospect for our team!

What's your advice for those who are looking for attendance on a cloud platform out there?

I would advise customers to shop with careful consideration. Look for manufacturer reputation instead of just price, as buying cheap products is a strategy that no longer works. A cloud attendance software needs to emphasize after sales service as well. Also you'll need to ensure that your attendance software grows together with your company business operations and needs, as you are sure to have more requirements to fulfill as your company grows in the future, and switching platforms isn't really an easy option.

Having said that, TimeTec Cloud is here to make sure that most of your time and attendance requirements are taken care of. Our plans are always growing to provide more value-added features for our customers in TimeTec Cloud as well as our supported devices. And if you're not sure what you are getting yourself into, there's always the free 30-day trial for you to find out! ℮

FingerTec New Releases in 2013

As all other sectors of the IT industry, FingerTec is no exception when it comes to expanding its new products and building on new technologies. The upcoming year brings some promising anticipation for new releases by FingerTec. Here's a look at what you can expect.

FingerTec Keylock 7700

Fingerprint   Card   Password   USB
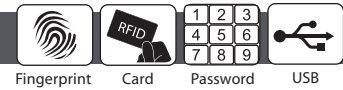
This year, we bring back the door lock model in the form of Keylock 7700. Door lock models are always popular to a certain population of the access control market, as it serves to function both as an access-restriction tool while blending with the door as a doorknob replacement. The **sleek touch-screen keypad** and sturdy nature of the Keylock 7700 guarantee both style and function as a fingerprint (500 templates) and password (100 templates) verification station, while a card verification feature can be added on. As a long-distance device, the Keylock 7700 operates on regular AA batteries, and uses USB as its data communication method. The Keylock 7700 is suitable for securing rooms of high ranking officers, or as an option for a secured area which has limited wall space for installation.

FingerTec i-Kiosk 3

Fingerprint   Card   TCP/IP   WiFi   USB
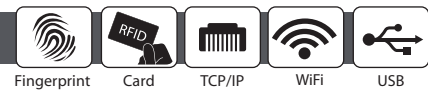
i-Kiosk 3 is one of FingerTec's most anticipated releases for the year. Featuring a full 7-inch **touch-screen color LCD** on its surface, the i-Kiosk 3 is a very unique development as it is the first device to be released that is powered by the **Android operating system**. This means more options and functions will be opened up for this biometric device. This access control terminal will be able to hold an extraordinary 6000 fingerprint templates and 300,000 transaction logs which renders it suitable for larger corporations and businesses. Equipped with some advanced time attendance and access control features, the i-Kiosk 3 also comes with some additional multimedia features such as displaying of company adverts and short video-playback features.

FingerTec R3

Fingerprint   Card   Password   TCP/IP   RS485

Based on one of FingerTec's best selling access control products, FingerTec R3 will contain all the features in the popular R2 and much more. The R3 can withhold a capacity of up to 3,000 user templates, 100,000 logs and has multi-verification options of fingerprint, card, or password. Containing the latest fingerprint algorithm, VX10.0, the R3 is not only equipped with superior functions, but is also furnished with a stylish look consisting of a touch-sensitive keypad and a **2.5 inch color display** - a perfect match for a modern-day office environment.

FingerTec H3i

Fingerprint   Card   Password
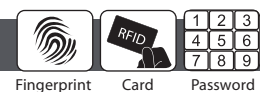
H3i is a basic access control terminal for fingerprint, card and password verification for small offices and homes. With 200 fingerprint and 500 card template memory and **no software and communication features**, it is the simplest access control terminal FingerTec has ever launched to the market. The H3i is due to be released anytime during the second quarter of the year.

FingerTec s-Kadex

Card   Password

The s-Kadex, similar to the H3i but without fingerprint verification, presents a more simplified version of card and password verification of access control for small offices and homes. With a memory to support 500 cards and 30000 transaction logs, and **without any software and communication features**, the terminal aims at the low cost and low-end market looking for basic access control devices only. ✐

Note: The images shown above are artist's impression and may vary from the actual products.

ingress
Advanced Access Control System

Secured Access Control System Made Easy by Ingress

Ingress is the latest software development by FingerTec, featuring elaborate and advanced access control features such as real-time monitoring, database administration and report management, which are vital for office and building managements these days. Knowing the importance of an access control system, our R&D team has decided it was time concentrate on this sector of the biometrics market to provide a cutting-edge solution for our clients.

Multiple access control features are combined in the Ingress to better secure a premise with precision definitions on who can and cannot access an area when connected to the FingerTec Ingressus advanced access controller hub, or even directly to any FingerTec access control device. This software runs on the familiar MS Windows operating environment, and is ideally suited for self-managed organizations of below 100-door environments.

It does not just stop at access control; the Ingress software comes complete with time attendance reporting features to provide well-rounded rounded functions that support all the FingerTec access control and time attendance models.

▶ **Convenient Centralized Management**

Ingress can support up to 10 levels of department with features such as multi-level users and user group privilege, while monitoring can be done concurrently through multiple computers. Once access data has been centralized, 19 types of comprehensive reports can be analysed and generated for record purposes. All data will be centralized and secured into the automated database backup and is easily restored.

Supplementary Time Attendance Functions

Having the best access control system is just as important as having the right time attendance software. FingerTec Ingress has integrated the time attendance features to create a software that is both advanced in security measures as well as attendance management. You do not have to compromise on either as it offers 6 types of common reports, such as daily attendance listing, tardiness report, and on-leave listing.

Visual Floor Maps for Instant Tracking

Knowing the location of each terminal allows you to instantly identify which terminal on which floor needs to be tended to. FingerTec Ingress has come up with a clever method to instantaneously track door activities by allowing you to insert graphical maps with configured animated icons. It is able to display up to 9 floor maps at a time for real-time monitoring.

Enhanced Software Security Features

For system administrators there is the optional fingerprint login to guarantee that no one other than the admin can meddle with the system. It is also equipped with a screen lock function that automatically logs out for you after a timeout. Even the changes done by an administrator can be tracked via the detailed history records and audit trail functions.

User-friendly Interface

Just because Ingress is an advanced access control system it doesn't mean it has to be complicated. Apart from supporting multiple languages, the existing organization is designed after the common Windows tree-structure design, complete with ribbon–style menu layouts, which ensures the interface is as user friendly as it gets. Users can change views, reorganize columns, modify and filter the data for groups of users according to their preferences easily.

Secured Interlocking Feature

With establishments these days needing more than just a simple lock, Ingress offers the feature of interlocking. This is usually applied when it involves a user passing through two doors to reach a specified location. Once the user has passed through the first door, it will lock to ensure there are no tailgaters while the user enters through the second door.

Convergence of Powerful Access Control Settings

Security is heightened with multi-card operation whereby it requires multiple card verifications at a terminal before allowing access to the area. Apart from that, security can be tightened by setting a standard of more than one verification method to access an area. Anti-passback can also be applied according to your preference to ensure that each entry and exit activity of a user is recorded and there are no untraced transactions occurring.

Safety Precautions Included

In terms of safety features, Ingress can be linked to the fire alarm linkage allowing the automatic unlocking of emergency exit doors in the event of a fire. If there is any other emergency occurrence an authorized person can remotely control the door access to unlock doors for trapped users in no time.

Effective Monitoring Methods

The Ingress supports Real-Time Alarms and Event logs. This ensures all events occurred would be fully documented. Each message and in-out transaction is recorded throughout the entire system and the alarm can be set off in case of any unauthorized person trying to gain access. You are also able to have multiple views for event monitoring.

Easy Customization of Notifications & Alerts

Organize and prioritize the alarm alerts according to your preference, and customize the sound settings of every event for effective management of security and to optimize reaction time to each event. Apart from that, Ingress is also capable of notifying selected recipients via email when an event is detected in the system, so that they can take necessary actions.

And these features are just a small part of the picture. Ingress will be hitting the market just at the start of the year, from January 2013 onwards, thus boosting the exposure for all FingerTec access control products. Ingress is the solution for your access control needs, whether you are looking for SME office security, or building access management.

Head to our website, *www.fingertec.com* to find out more. 🅔

▶ **System Diagram**

The L-Factor for Global Success:
Localization

- by Mrs. Norana Johar, Chief Operating Officer,
FingerTec HQ
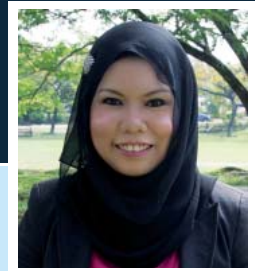
Understanding Culture is the Key to Localization

What works in one market does not necessarily deem it applicable and appropriate across the rest of the globe. That's the challenge of marketing brands and products internationally these days. Every culture has its own language, its own way of expressing ideas and emotions. Wit in one culture might be offensive in another.

A few years ago, FingerTec showcased our products in Iran and we were surprised to have received a lot of attention for a very wrong reason. Apparently, we failed to realize that we were using a picture of a woman without her headscarf as our backdrop in this Islamic republic. The picture was not offensive in anyway, yet it got rubbed the wrong way in Iran. Just because we had used the same picture in Dubai and Malaysia, which similarly has a majority Muslim population, we assumed it was okay to use it in Iran too. Using black to depict Chinese wedding is frowned upon for the Chinese market, while red is preferred for many aspects in the region. Darkie toothpaste was forced to alter the brand name to be politically correct for African consumers, thus changed to Darlie. Evidently, understanding one's culture is the key to unlocking the advantages that brand localization brings about.

English is Not for Everybody, Apparently

Millions are accessing the Internet every second looking for information, most of them not using English as their primary language. While the English language still captures the biggest portion of the Internet users, foreign languages are quickly catching up. Japanese around the world are comfortable using their Japanese interface in their PCs and Internet platforms. The same applies to the Spanish, Chinese, Arabs, and French whose preferred daily communication languages are their own.

There is no problem with the English language at all. All the same, try asking yourself this: would you grab the non-English audience's attention if you use only English in your marketing strategies?

In this era where attention span is as short as an intake of breath, everything you do must hit the target bull's eye or the chance of getting noticed is at a minimal decimal point or worse, zero. Even as we talk about English, when localization is involved, we need to understand the differences in vocabulary, slang, spelling, and culture between England, Australia and America. Sidewalk in America is pavement in Britain, and it's a no-brainer for fast food restaurants that promote their fries in Britain; chips (not fries) should be the correct term.

It Takes More than Just Translations

Let us be clear that localization is not just about implementing translations; quality translations play a huge part in getting localization done right. You can be almost certain that verbatim translations will not deliver the right message for your brand; it could potentially mislead audiences. Hence, it's not a good idea to use Google Translate or any online translation application for the translation needs of your company. It's not worth hanging the reputation of a brand on the line by engaging any Tom, Dick or Harry to translate the brand's resources. Insist on certified translators that possess an excellent track record to match your budget and ROI. Even then, this is just the first step to complete your product's localization effort.

Localization involves more than just translation. There are other parts that programmers, linguists, copywriters, marketing personnel, and branding employees need to work hand-in-hand to deliver the translation accurately. An image of a woman in scantily clad clothes might be appealing in America and Europe but that image could cause such damage to a brand in more conservative countries. Even the omission of specific images could cause uproar, like what recently experienced by IKEA in Saudi Arabia, where the images of its women models were removed from the catalogue for Saudi distributions. Design and brand departments need to be sensitive about the images they use, the colors they choose, and the slogans they promote for their target markets with the objective to penetrate the market right while at the same time avoid insulting any party along the way.

Localization is Never Easy, but It's Necessary

To do it right, there's no shortcut. FingerTec has been injecting effort in localization for years and there are still many aspects that need understanding and mastering from our part. Mattel, the producer of Barbie dolls failed miserably in its China flagship store because they failed to realize how alien and expensive Barbie was for China market. Kids in China do not know who Barbie is despite the brand's popularity elsewhere.

FingerTec is trying our best to get the translations precise, the images appropriate, the slogans fitting and all our materials and resources done suitably for the desired market we want to penetrate. The progress of our localization is organic at the moment, but with the right focus, we are confident that we are on the right path with our efforts.

Never assume that what works in your territory would work in other places, and while popularity is a good benchmark of success in your native region, it is never a sure determinant of the same in a whole-new country.

Advertising in the New Age:
To Jazz it up Online or to Stick to Print?

– by Ms. Nisha Tara Naidu, New Media Executive, FingerTec HQ

You're carrying out your daily morning ritual: Having the usual coffee with the usual light meal that you grace yourself with, flipping through the day's paper, when out of the blue you spot an extraordinary advertisement with a hilarious tagline. That sure made your morning! And it's almost like a reflex when it comes to little banters as these, to pass it on to at least one other person and share the humor, be it your spouse, your colleague, or even (lets face it) Twitter.

That's the power of advertising. Succesfully catch your reader's attention, and your campaign has achieved half its goal: brand awareness.

In this Internet age, many options and alternatives have cropped up when it comes to advertising. The question remains: which channel of advertising suits your product, brand values, and your targeted audience?

The Allure of Online Advertising

Internet marketing is a multi-billion dollar industry for a reason. To start off, it is easy on the cash. With so many options on the kind of online marketing you would like to pursue, you will almost always be able to find one that conforms to your budget, thus stretching your dough optimally. Activity is also another successful factor for online advertisements. With over 2 billion active users, the numbers are still multiplying drastically with the accessibility and mobility of the Internet. Mobile phones, tablets, laptops, and now even televisions allow you to surf the Internet freely, and are items commonly found in most middle-class and above homes.

Fact: Did you know, more people own mobile phones compared to those who own a toothbrush? Mindjumpers. com, a social media study website, quoted that "4.8 billion have a mobile and only billion own a toothbrush". If you're like me, you'd have one word in your mind right now: Unhygienic.

That's right, modern technology is no longer a want - it is a need.

Coming back to the topic, there's also another reason why online marketing is so popular - statistics. Advertising online allows your target audience to source immediately for more information by clicking on the advert or provided links. This generates a record in the system, which certain advertisers transform into a statistical report to provide accurate insights into the effectiveness of your ad. With online ads, every campaign of yours is traceable and yields direct results of those who have interactively engaged with your placement.

And of course, let us not forget about the giant in online marketing that is social media. The pick up of Facebook as THE social network account to have has ultimately generated 1 billion active followers on a single platform. That's 1 in every 7 persons in the whole world.

The 2012 Digital Marketer: Benchmark and Trend Report by Experian Marketing Services reported that 91% of today's

online adults use social media regularly. So if your business is not already active on any social media sites, you might want to think twice about that, especially since it has been reported that 63% of social media users have listed social media as their preferred medium for product information and promotions, (source: infographic published by Prestige Marketing). It is no wonder that companies, big and small alike, are flooding in to jump on the bandwagon, opening up their markets in popular social networking sites.

FingerTec Worldwide

Implement fingerprint affordable Time Attendance systems with FingerTec advanced devices.

You like this.

An example of FingerTec's online advertising on social media.

Numbers aside, if you're a regular Internet user (which, considering the statistics, you most probably are), it's easy to see why you should consider investing your capital in some online, digital marketing.

The Magic of Mass Media

Has this new age of technology put the more traditional form of advertising out of business though?

Most definitely not.

If I asked you to take a moment to recall a billboard sign that has made impression on you, it probably wouldn't take much effort. A couple of years back, there was a billboard sign here that featured a plain white background. Filling the board was a young, handsome-looking man holding up a wedding ring, with THE question printed across the board. It was a public, and if I may say, a little over-the-top wedding proposal, but it caught everybody's attention. That billboard ad was sponsored by one of the more prominent jewelry retailers in Malaysia.

If online marketing targets your specific audiences to yield outcomes in sales, mass media on the other hand targets the mass audience to increase brand awareness among the public. Although not an owner of anything Nike, I somehow know their tagline as though an avid fan; "Just do it".

True, mass media advertising might not cause much direct increase in sales, nor is the effectiveness of your campaign traceable for results, and also not to mention, the investment capital that you need to have is much larger than online marketing. But when it comes to the long run, these advertisements are definitely worth your moolah.

Think about it: when you are out to purchase, say, an electronic item that you may need. You are presented with two brands, one which you've heard of before, and one which you've never seen in your life. Which one are you more likely to choose?

I could quote you study after study that has proven statistically the high preference of familiar brands over unknown brands, but lets cut the trees some slack here.

This is why companies spend millions on branding. Ultimately, what advertisements do is manipulate consumers' decision-making process during a purchase. So, sure, your advertisement placement in a magazine might not be very specific in targeting your potential clients, but rest assured that when the time comes and they need a product that you're offering, they'll surely consider your brand, or even recommend it to others!

Plus, there's always some level of prestige associated with print ads. "If this brand can afford a placement in the papers, it must be doing well!"

The Big "A" Word

Audience. In the end, it is all about who your target audience is.

As cliché as it sounds, we at FingerTec have struck equilibrium between the two forms of advertising. Not being an FMCG industry and having a particular targeted market, we advertise fiercely online through social media, search engines, and implementing SEO strategies. Advertising through price-per-click (PPC) is one of our main advertising investments to gain inquirers, tap into foreign markets which match our goals, and even to support our clients' by generating more sales. After all, their customers are eventually our customers.

Having said that, we also make an effort to include some printed advertisements. Magazines adverts are always one big investment, but rewarding if placed with thought. Here at FingerTec, we decided that although most of our targeted audience are more Internet-savvy creatures that source for their needs online, there are a certain section of the population who have more of a reading culture than a web-surfing one.

Keeping that notion in mind, 2012 was a big year for FingerTec in advertising, securing regular placements in more than 5 major magazines, while actively generating more than 10 online advertising and promotional campaigns.

So remember, the success of your advertising investments all depends on the strategy you've adopted. In the meantime, flip through this magazine to have a taste of what our ads are like. *e*

PORTUGAL

Leading by Innovation
Exportech's Winning Formula

– by Mr. Paulo Ferreira, Managing Director, Exportech Portugal

We once read, **"Innovation distinguishes between a leader and a follower"**.

We started our relationship with FingerTec in 2007 and since then our business model, whether we liked it or not, was determinedly influenced by the FingerTec successful branding strategy. Innovation, it's such a simple term but with such complex understanding; following FingerTec standards meant adopting what we considered an example but leaves space enough to reinvent such standards and adopting them to our clients, to our market needs and to our strategic goals.

Exportech Portugal has since then reinvented many of FingerTec standards and innovative strategies in all the markets we represent, and until today this business model has revealed itself to be a success! For the last 4 years we have developed our own time & attendance software available on Standard licensing and Cloud (iTime) that integrates automatically with practically all Payroll Software in many countries and with a free and powerful interactive Web Platform, iAccess, our Access Control Software integrated with many IP Cameras for intelligent Video Analysis and iCanteen + iTask our newly arrived Software family members for Canteen Management and Task Management, all of these are only and fully integrated with FingerTec Terminals.

Facing distribution challenges to reach to many different resellers and markets, with many cultural differences, we´ve also developed several Technical Support and Sales Support services that were never implemented by our local competitors and increased our notoriety and customer satisfaction. At the end of the day, our success depends entirely on our client and end customer satisfaction.

At Exportech, we believe that by fully understanding and by cooperating with our client's strategy, adding value with specialized services and by having the know-how of our client's strategies is one of the ways to achieve our goals. We did not invent the wheel, but ultimately we can reinvent new ways to use it and make it more efficient! ℮

Mr. Paulo Ferreira and some of his teammates from Exportech Portugal.

HONG KONG

Building a Reliable Brand Image
Founder Globaltech, Hong Kong, Practices Just That.
– by Mr. Alvin Tsang, Business Development Manager, Founder Globaltech

Hong Kong, being a renowned international financial center and shopping paradise, upholds a very high standard of security both at the back office and retail shop level. To cope with this demand, Founder Globaltech finds FingerTec a very capable and suitable solution that can be offered to all sorts of customers.

Founder Globaltech has been the partner of FingerTec since 2007. From a small team to a healthy team with more than 30 System Integrator partners, FingerTec doesn't just contribute revenue, but also trust from valued customers because of its wide variety of high quality products and solutions. The highest cost of operations in most Hong Kong businesses is rent and wages, and as the minimum wage keeps rising, we believe the market of time attendance solutions will keep growing and will replace the traditional time card method eventually.

To advocate the FingerTec brand, we hold regular seminars and workshops to our system integrator partners, as well as our current and targeted end-user audience. One of the challenges facing us is the sensitive issue of privacy that many users are skeptical about. This general idea brought a temporary set back to us at one point, as many did not understand the concept of minutiae points. However, after a regular series of talks, advertisements, and education to the public through our seminars, we found that this hiccup eventually faded away.

In view of future development, in the end, we believe that service on demand is a trend. If we only touch base with customers when there is something wrong with our installations, or when we want to sell newer models to customers, this will not be viewed as a positive experience from the customers' point of view. However if we can keep contact with our customers through regular visits and spend the effort to analyze their needs, we proactively raise the FingerTec brand image, being viewed as a reliable partner to our customers. ℮

From left to right: Mr. Winson Pan, Mr. Teh Hon Seng (FingerTec HQ) Mr. Joe Lam, Ms. Grace Au, and Mr. Alvin Tsang at the Founder Globaltech booth in the Securitex Exhibition, Hong Kong.

INDIA

QATAR

WorldConnection
ADVANCED TECHNOLOGY SYSTEMS

Mr. Bhooshan Lohiya (3rd from left) together with his whole team at the IFSEC exhibition in India.

Keep the Faith, the Rest will Follow

Compax India Bets on Strong Product Commitment

– by Mr. Bhooshan Lohiya, Director, Compax Industrial Systems Pvt. Ltd.

I read this motivating line in one of the motivational books and out of curiosity, decided to try the same. Experimenting on the FingerTec brand unit was the best option in my view, the reason being the huge competition in the Indian market.

At Compax, the confidence in the products we carry comes first. With that belief, convincing customers comes naturally. Here is where keeping the faith comes into picture. FingerTec has always been an expensive brand compared to other options in terms of price. Quality comparisons are not my focus here because in my opinion, every product has its own strengths and limitations, so has FingerTec. Convincing any customer, particularly Indian customers, towards a higher priced product, is a tricky battle.

Hence, instead of sitting and cribbing about the fact, we've decided to change our approach. We redefined our mission from customer satisfaction to customer delight, which is a step ahead to begin with. The response was delayed, but eventually there was a satisfactory one.

Apart from that, a customer-centric approach is an identified need of our business growth. Working on the same helped our team to focus on the customer requirements and in turn understand the prerequisites for customer delight. On these lines, we initiated the weekly Reseller training sessions at Compax office. This not only re-instated our commitment towards our customers but it also made the resellers realize the difference between Compax and other suppliers. Services like demonstrations, installations & after sales support, on behalf of our resellers, helped team Compax to gain a wider ground and confidence level.

When resellers have the confidence that whatever Compax offers is going to be reliable, trustworthy and with high standards of quality, that's the measure of customer delight. Eventually customers would realize the importance of working with a professionally managed company and that realization would make inroads for products like FingerTec and a partner like Compax. *e*

Aiming to Stay on Top

World Connection Keeps Up with the Latest Trend

– by Mr. Ibrahim Elshamy, Managing Director, World Connection ATS

From four years ago since we started dealing with FingerTec, the focus was always to secure the exclusive distributorship of FingerTec brand in Qatar. With that objective met, World Connection ATS has been able to close various large projects around Qatar involving the government sectors and private sectors alike. Initially, the business was tough with fierce competition from rival products offering reduced price in exchange with substandard goods. Yet eventually, FingerTec emerged as an ideal choice by majority clients that pay attention to value added services and quality products.

We dared to be on the road less travelled with the simple reason; it is our goal to be on top of the industry with biometrics time attendance and door access solutions. And in fulfilling this, the company pledges to do whatever it takes to retain the position and to stay at the paramount of the industry it serves.

First and foremost, we stress on having capable teams of workforce that would deliver exceptionally well when fronting the clients or potential customers. Whether it is technical or non-technical issues, clients are our priority. Sufficient training was provided to the relevant parties to ensure comprehension of the FingerTec system and the teams were made to understand the best ways to care for customers needs. Adopting a similar strategy as the FingerTec headquarters, we employed various channels to support our growing customers be it via TeamViewer, Skype, emails, calls and also occasional site visits.

There's a saying that the way to a husband's heart is through his stomach, and in business, the way to a customer's heart is through support. In keeping in touch with our growing customer base, we also promote our fanpage on Facebook at facebook.com/worldats to have a two-way casual communication with them. *e*

EGYPT

Securing Egypt with FingerTec

APEX Technology Aims for a Larger Market Share

– by Mr. Hani Mohamed, Managing Director, Apex Technology

APEX Technology has started dealing and installing FingerTec biometrics time attendance and access control in small scales around Egypt since the year 2008. We have experienced the value for money of the system and fortunately enough, four years after, we finally earned the great honor of being FingerTec's authorized exclusive distributor for Egypt. Since then, it has been our goal to make the brand FingerTec as one of the most preferred choices for biometrics products around the nation, securing more market share in the industry.

APEX Technology's role in this business isn't just about trading goods. Apart from concluding the sales, we have to provide excellent after-sales service to establish strong infrastructure for brand loyalty. Once bitten, twice shy - it's our responsibility to make sure that none of our customers are bitten in anyway and that requires unyielding dedication on our part as a supplier.

The FingerTec headquarters constantly update us about their latest products, plans and strategies through various means; and we are pleased to share some of their goals and plans. At the same time however, we also create our own solid 5-year plan for our penetration in Egypt which aims at increasing our market share in biometrics, time attendance, and access control. In fulfillment of that plan, we have already started establishing our Online Customer Care Center in parallel with our current call center to provide our customers with the best assistance possible. When consumers are being comforted by the fact that there is someone standing by to take care of things when something goes wrong, the brand's trust is established and Apex Technology couldn't be clearer of that goal.

Apex Technology is currently providing many homes, companies, banks and factories with FingerTec's biometrics solutions. ✐

APEX
SECURE YOUR LIFE

NIGERIA

Perseverence is Key
Rapid Vigil's Encounter with Success
– by Mrs. Theodora Nwenyi, Executive Director, Rapid Vigil Security

Rapid Vigil, the official FingerTec authorized distributor in Nigeria has come a long way since the initial startup in 1997 as a company outsourcing security guard personnel. Today, around 80% of our business is sustained by security equipment only, and we are among the top 5 companies in Nigeria that provides complete and sustainable access and security solutions nationwide.

Although initially, breaching the market in Nigeria with biometric products seemed to be a rather challenging effort, a part of our success later could be attributed to the quality and features in the line of time attendance and access control products of FingerTec, which were user-friendly and professional. This helped us capture the attention of the public in Nigeria, which was, at the time of our startup, still skeptical and distrustful of the upcoming biometrics technology.

More than ten years down the road, we wouldn't say that the technology is still novel in the market –however, many still were unsure about how it worked, and its function of automating a workplace.

Nevertheless, we have come up with many campaigns and strategies to overcome this gap. At Rapid Vigil, we conduct quarterly seminars for our resellers and the general end-users alike, demonstrating how biometrics can be utilized in today's workplace. Many of our clients come from the banking sector, universities, and the manufacturing industry around Nigeria. Still, this success that we enjoy now did not come from nowhere – it was a result of time, effort, aggressive marketing, and FingerTec headquarters played a big part in supporting us fully wherever they could.

We will not stop until FingerTec becomes the number one solution in Nigeria. And what more, this coming year, we are all the more excited to be officially launching the trademark of FingerTec Nigeria in the IFSEC West Africa security exhibition that will be going on in March. ✐

Mr. and Mrs. Nwenyi founded and now heads Rapid Vigil in Nigeria.

Customer Satisfaction Comes First

Ain Al-Zulal Learned It the Hard Way

- by Eng. Sinan Hussein Mohammed,

Managing Director, Ain Al-Zulal LLC

One day at the end of 2008 when we were setting up surveillance cameras for a government department, the major complaints they had were about lack of control over employee working hours and lack of access control in some important rooms that contained confidential documents. We gauged their interest in biometrics solutions and apparently they had implemented the system once but unfortunately they stumbled upon major obstacles to seamlessly integrate the solution to solve their problems. Struggling with the ever-lasting problems of fingerprint system, they reverted to the conventional way of collecting working hours, which was proven tedious and ineffective.

That casual conversation led us to research for fingerprint devices that can tackle both problems simultaneously.

Eventually, we came across FingerTec brand. In our opinion, the brand offers diversity in hardware specifications and high flexibility in its operation, the devices are loaded with the language of our preference and we also found that the bundled software is packed with great features and it actually adds a lot of values to the brand. Having tested a few of their products, we boldly made our decision to carry the FingerTec brand in Iraq.

At the beginning, work was a constant struggle. With sub-standard products flooding the market, promoting the problems rather than the advantages of the fingerprint system, consumers had almost lost confidence after damaging experiences with some of the brands. We were relentless – we continuously promoted the FingerTec brand in the local markets, tirelessly trying to convince the market otherwise. We set up a strategically located distribution offices in Baghdad; we provided all kinds of training for the distributors to fully comprehend the advantages of FingerTec time attendance and door access solutions and to get their hands familiar with TCMS V2.

The real challenge for us was to restore confidence of users in the fingerprint products. Adequate time and space was given for them to experience the FingerTec brand and Ain Al-Zulal quality services; ample time was given for them to make comparison and evaluate us for all its worth. Over the years, through our tremendous experiences in the field dealing with these products and various security products, we have been able to support our clients effectively, gaining their confidence as time goes by.

Later, we opened another branch in the southern part of the country, appointed agents in every province and trained them sufficiently so that they are self-sufficient to support their FingerTec clients. The versatility of the FingerTec products also has helped make the system a preferred choice of security system in the country. The brand has been used to protect many gates of various important places in Iraq.

Thus far, we have had overall great support from FingerTec Worldwide; from the management to the sales team as well as from the technical team. The greatest impact of our success combined with the success of the FingerTec brand in Iraq has been largely contributed to the exceptional support that we provide to clients throughout the country. We are pleased to be working with FingerTec for a better tomorrow and we will be persistently providing customers with great support because we have learned it the hard way; pleasing customers is the crucial factor for us and we will always be our best at all times to make sure that we deliver. 🅮

Eng. Sinan Hussein with two of his employees in the store of Ain Al-Zulal.

Fingerprint and Card
Access Control & Time Attendance Model

| AC900 | R2 | R2c | H2i | Q2i | i-Kosk 100 Plus |

Restrict the access at your work or home area with FingerTec access control devices. These access control models use fingerprint, card, or password or a combination as a method of controlling the access of a secured area. All FingerTec access control and time attendance models come with a complimentary copy of the TCMS V2, and the Ingress software can be purchased to implement a more advanced access control system.

SPECIFICATIONS

MODEL	AC900	R2	R2c	H2i	Q2i	i-Kiosk 100 Plus
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)					
TYPE OF SCANNER	Optical					
PROCESSOR	400 MHz microprocessor		Managed by master	300 MHz microprocessor	800 MHz microprocessor	600 MHz microprocessor
MEMORY	8MB flash memory			32MB flash memory	256MB flash memory	256MB flash & 1 GB SD-RAM
ALGORITHM	BioBridge VX 9.0 / VX 10.0		BioBridge VX 10.0	BioBridge VX 9.0/VX 10.0		
DIMENSION (L X W X H), mm	91 x 40 x 190	94 x 50 x 189	64 x 42 x 135	78 x 50 x 150	200 x 56 x 160	260 x 70 x 320
STORAGE						
• Fingerprint templates	1500	3000	Storage in Master Terminal	1500	10000	
• Transaction	100000	120000		100000	200000	
ENROLLMENT & VERIFICATION						
• Methods	Fingerprint (1:1, 1:N) & Password	Fingerprint (1:1, 1:N), Card & Password	Fingerprint (1:N) & Card	Fingerprint & Card	Fingerprint (1:1, 1:N), Card & Password	
• Recommended fingerprint per user ID	2		Managed by master	2		
• Fingerprint placement	Any angle					
• Verification time (sec)	< 1		Managed by master	<1		
• FAR (%)	< 0.0001			< 0.0001		
• FRR (%)	< 1			< 1		
CARD TECHNOLOGY						
• RFID: 64-bit, 125kHz	N/A	Yes				
• MIFARE: MF1S50/S70, 13.56MHz	N/A	Made to order				
• HID: HID 1325, 26-bit, 125kHz	N/A	Made to order	N/A	Made to order		
COMMUNICATIONS						
• Method	TCP/IP, RS232, RS485	TCP/IP, RS232, RS485, USB flash disk	RS485	TCP/IP, RS485, USB flash disk	TCP/IP, RS232, RS485, USB flash disk (Optional WiFi)	TCP/IP, RS232, RS485, USB flash disk & WiFi
• Baud rates	9600, 19200, 38400, 57600, 115200		N/A	9600, 19200, 38400, 57600, 115200		
• Wiegand	26-bit output	26-bit input/output	N/A	26-bit input/output		
OPERATING ENVIRONMENT						
• Temperature (°C)	0 ~ 45					
• Humidity (%)	20 ~ 80					
• Power input	DC 12V 3A		Managed by master	DC 12V 3A		
TIME ATTENDANCE						
• Siren	N/A				Built-in (Optional External)	Built-in
• Work Codes	Yes			N/A	Yes	Yes
MULTIMEDIA						
• Voice	N/A	Yes	N/A	Yes	Yes	
• Display	Black and White			N/A	3.5″ 65k color TFT screen	8.0″ 65k color TFT Touch Screen Panel
• Short messaging	N/A	Yes	N/A	Yes	Yes	
• Music playback	N/A					Yes
• Movie playback	N/A					Yes
• Internal Backup Battery	N/A					Yes
ACCESS CONTROL						
• EM lock driving output	DC 12V 3A / Relay output			DC 12V 3A / Relay output		
• Alarm output	NO	N0/NC	Managed by master	NO / NC		
• Antipassback	N/A	Yes		Yes		

N/A = Not Applicable | All master terminals come packaged with TCMS V2 management software.

RFID Card
Access Control & Time Attendance Model

N/A = Not Applicable | All master terminals come packaged with TCMS V2 management software.

| TimeLine 100 | Kadex | m-Kadex | i-Kadex | k-Kadex |

Consisting of the TimeLine 100 for time attendance only and the Kadex series for both time attendance and access control, these RFID card models are suitable for those who prefer a more conventional method of verification. Mifare and HID card technologies are also available upon request. Slave terminals such as the i-Kadex and k-Kadex can be matched with a compatible master terminal to work properly as a cost-efficient IN-OUT access control solution.

SPECIFICATIONS

MODEL	TimeLine 100	Kadex	m-Kadex	i-Kadex	k-Kadex
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)		Polycarbonate		Acrylonitrile Butadiene Styrene (ABS)
TYPE OF ANTENNA	RFID				
PROCESSOR	400 MHz microprocessor			Managed by master	
MEMORY	4MB flash memory				
ALGORITHM	BioBridge VX 9.0				
DIMENSION (L X W X H), mm	190 x 50 x 140	92 x 49 x 137	92 x 29 x 134	55 x 15 x 100	75 x 20 x 115
STORAGE					
• Cards	10000	30000		Storage in master	
• Transaction	30000	50000			
ENROLLMENT & VERIFICATION					
• Methods	Card or Password		Card only	Card	Card & Password
• Card per user ID	1			Managed by master	
• Reading distance, mm	40 ~ 80 (RFID, HID), 30 ~ 50 (Mifare)				
• Verification time (sec)	< 1			Managed by master	
• FAR (%)	N/A				
• FRR (%)	N/A				
CARD TECHNOLOGY					
• RFID: 64-bit, 125kHz	Yes				
• MIFARE: MF1S50/S70, 13.56MHz			Made to order		
• HID: HID 1325, 26-bit, 125kHz	Made to order			N/A	
COMMUNICATIONS					
• Method	TCP/IP, RS232, RS485, USB flash disk			Wiegand 26 bit output	
• Baud rates	9600, 19200, 38400, 57600, 115200			N/A	
• Wiegand	N/A	26-bit input/output		N/A	
OPERATING ENVIRONMENT					
• Temperature (°C)	0 ~ 45			-10 ~ 70	
• Humidity (%)	20 ~ 80				
• Power input	DC 5V 2A	DC 12V 3A		DC 12V 1A	
TIME ATTENDANCE					
• Siren	External	N/A			
• Work Codes	Yes		N/A		
MULTIMEDIA					
• Voice	Yes		N/A		
• Display	Black and White		N/A		
• Short messaging	Yes		N/A		
• Music playback	N/A				
• Movie playback	N/A				
• Internal Backup Battery	N/A				
ACCESS CONTROL					
• EM lock driving output	N/A	DC 12V 3A / Relay output		Managed by master	
• Alarm output	N/A	NO/NC			
• Antipassback	N/A	Yes			

* **N/A = Not Applicable** | *All master terminals come packaged with TCMS V2 management software.*

Fingerprint
Time Attendance Model

TA300 **AC100C** **TA100C** **TA200 Plus**

FingerTec time attendance biometric models are ideal for most SMEs that are looking to track, monitor, and analyze their staff attendance effectively. Sturdy in design, all the models come with a complimentary copy of the extensive attendance software, the TCMS V2, or it can be used with the paid applications, TimeTec Web and TimeTec Cloud for more elaborate management features. Choose from different models that feature fingerprint, card, or password verification methods according to your preference.

Fingerprint
Mechanical Lock Model

Keylock 8800

The Keylock 8800 is a high-end fingerprint door lock that supports RFID cards or Smart Cards and is suitable for sophisticated and controlled environments like banks, labs and hotels.

SPECIFICATIONS				
MODEL	TA300	AC100C	TA100C	TA200 Plus
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS)			
TYPE OF SCANNER	Optical			
PROCESSOR	400 MHz microprocessor			800 MHz microprocessor
MEMORY	8 MB flash memory	256 MB flash memory		
ALGORITHM	BioBridge VX 9.0 / VX 10.0			
DIMENSION (L X W X H), mm	160 x 120 x 127	195 x 48 x 144	190 x 52 x 140	200 x 56 x 160
STORAGE				
• Fingerprint templates	1500	10000		
• Transaction	50000	200000		
ENROLLMENT & VERIFICATION				
• Methods	Fingerprint (1:1, 1:N), Password (Optional Card)	Fingerprint (1:1, 1:N), Password	Fingerprint (1:1, 1:N), Card & Password	
• Recommended fingerprint per user ID	2			
• Fingerprint placement	Any angle			
• Verification time (sec)	< 1			
• FAR (%)	< 0.0001			
• FRR (%)	< 1			
CARD TECHNOLOGY				
• RFID: 64-bit, 125kHz	Made to order	N/A	Yes (TA100C-R only)	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order	N/A	Made to order (TA100C-MF only)	Made to order
• HID: HID 1325, 26-bit, 125kHz	Made to order	N/A	Made to order (TA100C-HID only)	Made to order
COMMUNICATIONS				
• Method	USB cable / connection	TCP/IP, RS232, RS485, USB flash disk		TCP/IP, USB flash disk, etc.**
• Baud rates	N/A	9600, 19200, 38400, 57600, 115200		
• Wiegand	N/A			
OPERATING ENVIRONMENT				
• Temperature (°C)	0 ~ 45			
• Humidity (%)	20 ~ 80			
• Power input	DC 5V 800mA	DC 5V 2A		
TIME ATTENDANCE				
• Siren	N/A		Built-in and External	Built-in (Optional-External)
• Work Codes	N/A	Yes		
MULTIMEDIA				
• Voice	Yes			
• Display	Black and White	3.0"65k color TFT screen		3.5"65k color TFT screen
• Short messaging	N/A	Yes		
• Music playback	N/A			
• Movie playback	N/A			
• Internal Backup Battery	Yes (DC5V, 1300mAh)	N/A		
ACCESS CONTROL				
• EM lock driving output	N/A			
• Alarm output	N/A			
• Antipassback	N/A			

SPECIFICATIONS	
MODEL	Keylock 8800
SURFACE FINISHING	Zinc Alloy
TYPE OF SCANNER	Optical
PROCESSOR	400 MHz microprocessor
MEMORY	4MB flash memory
ALGORITHM	BioBridge VX 9.0
RESOLUTION OF SCANNER (dpi)	560
DIMENSION (L X W X H), mm	150 x 195 x 310
STORAGE	
• Fingerprint templates	500
• Password	100
• Transaction	30000
ENROLLMENT & VERIFICATION	
• Methods	Fingerprint (1:1, 1:N), Card & Password
• Recommended fingerprint per user ID	2
• Fingerprint placement	Any angle
• Verification time (sec)	< 1
• FAR (%)	< 0.0001
• FRR (%)	< 1
• Length of password (bytes)	8
CARD TECHNOLOGY	
• RFID: 64-bit, 125kHz	Yes
• MIFARE: MF1S50/S70, 13.56MHz	Made to order
• HID: HID 1325, 26-bit, 125kHz	Made to order
COMMUNICATIONS	
• Method	USB flash disk
• Baud rates	N/A
• Wiegand	N/A
OPERATING ENVIRONMENT	
• Temperature (°C)	0 ~ 45
• Humidity (%)	20 ~ 80
• Power input	4 x 1.5V AA Battery
• Power consumption – static (uA)	< 40
• Power consumption – activity (mA)	< 100
• Power consumption – driving (mA)	< 400
• Antistatic voltage (V)	> 1500
• Low battery warning voltage (V)	< 4.67
BACKUP UNLOCK MECHANISM	Battery & Mechanical Key

*N/A = Not Applicable | * *Optional: PoE, WiFi, & GPRS | All master terminals come packaged with TCMS V2 management software.*

Face Recognition
Access Control & Time Attendance Model

Face ID 2　　　**Face ID 3**　　　**Face ID 4 / 4d**

The advanced face recognition technology presents a contactless method of verification for time attendance and access control. With one look, you can record your attendance and gain access to a secured area easily. All FingerTec face recognition models are also equipped with card verification for extra security.

Logical Fingerprint
PC Access Model

OFIS-X　　　**OFIS-Y**

OFIS-X and OFIS-Y fingerprint readers are suitable for FingerTec's enterprise software applications which includes TCMS V2 software or developer's tools such as SDK (Software Development Kit) for integration with select applications. OFIS Gateway software included.

SPECIFICATIONS

MODEL	Face ID 2	Face ID 3	Face ID 4 / 4d
SURFACE FINISHING	Acrylonitrile Butadiene Styrene (ABS) & Acrylic		Acrylonitrile Butadiene Styrene/Polycarbonate Blend
TYPE OF SCANNER	High resolution infrared camera, (Optical fingerprint scanner & RFID antenna)	High resolution infrared camera & RFID antenna	
PROCESSOR	800 MHz microprocessor		
MEMORY	256 MB Flash Memory & 64 MB SDRAM		
ALGORITHM	Face BioBridge VX 8.0, Fingerprint BioBridge VX10.0 (Optional VX9.0)	Face BioBridge VX 8.0	
DIMENSION (L X W X H), mm	207 x 120 x 145	86 x 62 x 218	148 x 148 x 122
STORAGE			
• Fingerprint templates	10000	N/A	
• Face templates	500	400	
• Cards	10000		
• Transaction logs	200000	100000	
ENROLLMENT & VERIFICATION			
• Methods	Face, fingerprint, card or password	Face, card or password	
• Recommended fingerprint per user ID	2	N/A	
• Fingerprint placement	Any angle	N/A	
• Verification time – Fingerprint, sec	< 1	N/A	
• Verification time – Face, sec	< 2		
• Fingerprint	FAR < 0.0001%, FRR < 0.1%	N/A	
• Face	FAR < 0.01%, FRR < 0.1%		
CARD TECHNOLOGY			
• RFID: 64-bit, 125kHz	Yes		
• MIFARE: MFIS50/S70, 13.56MHz	Made to order		
• HID: HID 1325, 26-bit, 125kHz	Made to order		N/A
COMMUNICATIONS			
• Method	TCP/IP, RS232, RS485, USB flash disk (Optional WiFi, GPRS)	TCP/IP, RS232, RS485, USB flash disk (Optional WiFi)	TCP/IP, USB flash disk, USB client (Optional WiFi)
• Baud rates	9600 ~ 115200		9600 ~ 115200 (Face ID 4d only)
• Wiegand	26-bit output	26-bit input and output	N/A
OPERATING ENVIRONMENT			
• Temperature (°C)	0 ~ 45		
• Humidity (%)	20 ~ 80		
• Power input	DC12V 3A		
TIME ATTENDANCE			
• Siren	Built-in and External		Internal only
• Work Codes	Yes		
• Fast transaction checking	Yes		
MULTIMEDIA			
• Greeting voice	Yes		
• Display	4.3" 65K color TFT Touch Screen Panel	3.0" 65K color TFT Touch Screen Panel	
• Photo-ID	Yes		
• Short messaging	Yes	N/A	Yes
• Day Light Saving Timer	Yes		
• Internal Backup Battery	Yes (DC12V, 2000m Ah)	N/A	
ACCESS CONTROL			(Face ID 4d only)
• EM lock driving output	DC12V / Relay output		DC12V / Relay output
• Alarm output	NO/NC	NO only	NO/NC
• Antipassback	Yes		Yes

N/A = Not Applicable | All master terminals come packaged with TCMS V2 management software.

SPECIFICATIONS

MODEL	OFIS-X	OFIS-Y
ALGORITHM	BioBridge VX 9.0 / VX 10.0	
SUPPORTING OS	32-bit Windows XP, Windows Vista, Windows 7	32/64-bit Windows XP, Windows Vista, Windows 7, Windows Server 2008
PIXEL RESOLUTION	512 dpi (average x, y over the scanning area)	
SCAN CAPTURE AREA	17mm (width at the center) 26 mm (length)	15mm x 18 mm
SCAN DATA	8-bit grayscale (256 levels of gray)	
READER SIZE (APPROXIMATE) (L X W X H), MM	87 x 58 x 24	45 x 78 x 40
COMPATIBILITY	USB 1.0, 1.1 and 2.0 (Full speed) specifications	
OS/BROWSER	MS Windows/ MS Internet Explorer (IE 9)	
POWER SUPPLY	5.0V +/- 0.25V USB supply	
OPERATING TEMPERATURE (°C)	0 – 40	0 – 55
OPERATING HUMIDITY (%)	20 – 80 non-condensing	
STANDARD FCC CLASS	FCC Class B, CE, USB	
USAGE	Indoor, home and office use	

FEATURES

- Small form factor
- Excellent scan quality
- Encrypted fingerprint data
- Latent print rejection
- Counterfeit finger rejection
- Rotation invariant
  - Recognize dry, moist, or rough fingerprints
  - Compatible with FingerTec's standalone readers and software products
  - Compatible with Windows XP, 2000, Me, 98, NT4.0 and Windows Server 2000, 2003, Vista

APPLICATIONS

- Desktop computer security
- Registration Station for Users
- Mobile PCs
- Custom applications
- Home and office use

FingerTec has an extensive range of biometrics and card products. This guide serves as initial tool for you to compare it against your requirements and budget. Once you have decided on the models you want or you have further questions, email us at *info@fingertec.com* for detail discussions. FingerTec pledges to make things easy for you, always.

Models / Features	Fingerprint	Face	Card	Password	Black & White	Color	Multimedia	IP-based	WiFi/GPRS	USB	Door Access	Wiegand	Anti-passback & Time Zone	Price Range
FINGERPRINT TECHNOLOGY TIME ATTENDANCE PRODUCTS														
TA300	✓	✗	A	✓	✓	✗	✗	✗	✗	✓	✗	✗	✗	★
AC100C	✓	✗	✗	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★
TA100C	✓	✗	✗	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★
TA100C-R	✓	✗	✓	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★
TA100TC	✓	✗	✗	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★
TA100TC-R	✓	✗	✓	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★
TA200 Plus	✓	✗	✓	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★★
FINGERPRINT TECHNOLOGY DOOR ACCESS & TIME ATTENDANCE PRODUCTS														
AC900	✓	✗	✗	✓	✓	✗	✗	✓	✗	✗	✓	✓	✓	★★
R2	✓	✗	✓	✓	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★★
R2 & R2c	✓	✗		✗	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★★★
H2i	✓	✗		✗	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★
Q2i	✓	✗		✓	✓	✓	✓	✓	A	✓	✓	✓	✓	★★★★
i-Kiosk 100 Plus	✓	✗	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	★★★★★★
CARD TECHNOLOGY TIME ATTENDANCE & DOOR ACCESS PRODUCTS														
TimeLine 100	✗	✗	✓	✓	✓	✗	✗	✓	✗	✓	✗	✗	✗	★★★
Kadex	✗	✗	✓	✓	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★
m-Kadex	✗	✗	✓	✗	✓	✗	✗	✓	✗	✓	✓	✓	✓	★
Kadex & k-Kadex	✗	✗	✓	✓	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★★
Kadex & i-Kadex	✗	✗	✓	✗	✓	✗	✗	✓	✗	✓	✓	✓	✓	★★★
FACE TECHNOLOGY DOOR ACCESS & TIME ATTENDANCE PRODUCTS														
Face ID2	✓	✓	✓	✓	✗	✓	✓	✓	A	✓	✓	✓	✓	★★★★★
Face ID 3	✗	✓	✓	✓	✗	✓	✓	✓	A	✓	✓	✓	✓	★★★★
Face ID 4	✗	✓	✓	✓	✗	✓	✓	✓	A	✓	✗	✗	✗	★★★★
Face ID 4d	✗	✓	✓	✓	✗	✓	✓	✓	A	✓	✓	✓	✗	★★★★
FINGERPRINT TECHNOLOGY MECHANICAL DOOR LOCK PRODUCT														
Keylock 8800	✓	✗	✓	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	★★★
FINGERPRINT TECHNOLOGY USB PRODUCT														
OFIS Series	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	★★

✓ = Available | X = Not available | A = Available Upon Request | *All master terminals come packaged with TCMS V2 management software.*

Software Selection Guide

FingerTec offers a variety of different types of softwares to suit the different business needs of our clients. With all the different requirements, comparing the different software functions can be a little tricky. So here's a selection guide to help you out with the details, similarities, and differences between our offered softwares.

Application	Ready Software or SDK	Time Attendance	Door Access	Reports	Export Formats	Web-based Application	Database Engine	Hardware Compatibility	OS/Browser Compatibility	Multilingual	Price
WINDOWS APPLICATION											
TCMS V2	Ready Software	✓ Advance	✓ Simple	30	Csv, txt and xls	✓ Only TCMS V2 Viewer module	Native Foxpro Database	All FingerTec Hardware	Windows XP, Server 2003, Server 2008, Vista, Windows 7, Windows 8	English, Arabic, Arabic (Kuwait), Chinese Traditional, Chinese Simplified, Persian, French, German, Indonesian, Italian, Korean, Lithuanian, Malay, Polish, Portuguese, Portuguese (Brazil), Russian, Spanish, Thai, Turkish, Vietnamese	X (Bundled with hardware terminals)
ingress		✓ Simple	✓ Advance	19		X	MySql	All FingerTec Hardware & Ingressus Controller		English	
FOUNDER DiGiPAY		Payroll Software (Malaysia Market), TCMS V2 Compatible		18	X	X	Native Foxpro Database	X		English, Malay, Chinese Simplified	✓
WEB-BASED APPLICATION											
timeTec Web	Ready Software	✓	X	26	Csv, txt and xls	✓	MySql	Face ID 2/3/4/4d, AC900, R2, R2/R2i, H2i, Kadex, AC100C, TA100C, TA100TC, TA200 Plus, i-Kiosk 100 Plus, i-Kiosk 100, Q2i	Windows XP, Server 2003, Server 2008, Vista, Windows 7, Windows 8, Safari, Chrome, Firefox, Internet Explorer	English, Arabic, Chinese Traditional, Chinese Simplified, Indonesian, Spanish	✓
timeTec cloud									Safari, Chrome, Firefox, Internet Explorer		✓ Subscription-based
SDK											
Bio Bridge	SDK : Engineered to smooth system integration from FingerTec terminals to any third party system	✓	✓	N/A		X	N/A	All Models Except Keylock and OFIS	Windows XP, Server 2003, Server 2008, Vista, Windows 7, Windows 8	N/A	X (Free for developers)
WEBSTER	SDK : Online web-based platform to consolidate and centralize the db for time attendance	X	X			✓	MySql	Face ID 2/3/4/4d, AC900, R2, R2/R2i, H2i, Kadex, AC100C, TA100C, TA100TC, TA200 Plus, i-Kiosk 100 Plus, i-Kiosk 100, Q2i	Windows XP, Server 2003, Server 2008, Vista, Windows 7, Windows 8, Safari, Chrome, Firefox, Internet Explorer	English, Malay, Chinese Simplified, Spanish	✓
SOFTWARE TOOLS											
FTDP FINGERTEC DATA PROCESSOR		To manage and edit user, fingerprint, log and reader information	X	Txt, xls, xml, html		X	MS Access / MsSql	All FingerTec Hardware	Windows XP, Server 2003, Server 2008, Vista, Windows 7, Windows 8	English	X (Bundled with hardware terminals)
Info Manager Simple User Management	Ready Software	To manage user data and fingerprint information		X			MS Access	OFIS Scanner, Mifare Card Writer			X (Bundled with OFIS scanner)
Gateway		Single Sign On PC Login Security		X	X	X	OFIS Scanner		Windows 2000, Windows XP, Vista (32-bit), Windows 7 (32/64-bit)	English, Chinese Traditional, Chinese Simplified, Japanese	

✓ = Yes | X = No | N/A = Not applicable | Online update is available for all softwares

2013 Global Exhibition Schedule

Check our latest exhibition updates at
http://info.fingertec.com/exhibition2013

Moscow, Russia
MIPS Moscow, 15-18 Ap r

New York, USA
ISC East, 29-30 Oct

Dammam, Saudi Arabia
Saudi Safety & Security, 3-6 Ma r

Ho Chi Minh, Vietnam
Secutech Vietnam, 8-10 Aug

Dubai, UAE
Intersec,15-17 Jan

Lahore, Pakistan
Intersafe Trade Fair, 18-20 Mar

Taipei, Taiwan
Secutech, 24-26 Apr

Lagos, Nigeria
IFSEC, West Africa , 5-6 Mar

Kuala Lumpur, Malaysia
IFSEC Southeast Asia, 11-13 Sept
INTRADE Malaysia, 27-29 No v

Bogota, Colombia
International Security Fair, 9-11 Oct

Johannesburg, South Africa
IFSEC South Africa, 18-20 June

Beyond
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