2020/2021

PRODUCT
CATALOGUE

Access Control • Time Attendance • Integrated System

CUD

We make your world secure

ELID is an acronym for
Electronic Identification

ELID has been at the forefront of Access Control and Integrated Security innovation since 1989. With in-house R&D as well as ISO 2000 certified production facilities in Malaysia and China, ELID continues to introduce, year after year, exciting solutions that help businesses of all sizes overcome their security challenges. ELID is also committed to support services and has directly owned offices in Malaysia, China, Thailand and the Philippines. In addition, ELID has competent distributors in more than 30 countries worldwide.

In Malaysia, ELID has sales and support offices in Petaling Jaya, Penang and Johor Bahru. Out of the top 100 corporations in Malaysia, over 35% depend on ELID equipment.

This catalog covers standard products manufactured by ELID. Enterprise systems like Matrix are detailed in a separate catalog.

Vision

Our vision is to be a world-renowned manufacturer of Electronic Identification Systems.

Mission

Our mission is to create original, innovative and superior products at affordable prices and provide genuine customer satisfaction as well as to contribute to the well-being of society.

Goal

We have progressed steadily to capture a significant market share in South East Asia. We aim to consolidate this, and extend our market coverage throughout the world.

Belief

We believe that our greatest asset is our people. Our people are behind our growth and success. No matter how much capital, technology and equipment we boast, it is bound to fail if human resources are not developed. Therefore, we strive to "Make People Before Making Products", and we are committed to bring out the best in people through comprehensive and systematic human resource development programs.

Commitment

We will constantly challenge ourselves to be a God-fearing, moral and ethical Company, whose employees are honest and trustworthy, and uphold the highest ethical standards in all their dealings.

The **ELID Advantage**

ELID brings the experience, expertise and benefits of in-house developed, integrated security systems and solutions that add real value to our clients and partners. We are passionate, driven and committed to solving any and every security challenge. Since the start of our journey in 1989, ELID continues to innovate by diligently listening to our customers needs, and creating custom solutions and services around them whilst supporting our partners with the best possible technical support experience.

01 29 YEARS OF EXPERIENCE AND AN AWARD WINNING COMPANY

ELID has been a pioneer in door access control & integrated security systems since 1989, developing and delivering better, safer security systems and winning awards year after year. We have a staff force of over 120 dedicating their passion to improving and making the world a better and safer place to be. Today, more than 10 million users worldwide entrust their lives and properties to ELID security systems.

02 PROFESSIONAL, EXPERIENCED AND HELPFUL TECHNICAL SUPPORT

ELID's technical support teams are fully trained, qualified and certified to ensure that you get the best of engineering and technical expertise for your security system. Our in-house support and maintenance teams as well as our international partner network are available to carry out technical support activities, be it maintenance and upgrading works to ensure that your ELID system is always up and running at optimal levels of performance. All work is covered by our warranty ensuring the best possible quality and peace of mind.

03 CONTINUOUS IN-HOUSE RESEARCH AND DEVELOPMENT

Backed by decades of in-house Research & Development, ELID continues to innovate and create solutions that are right for its diverse client-base.
Our relentless pursuit of excellence backed by a culture of continuous improvement has resulted in a range of products, solutions and systems that push the security industry forward. To date, ELID systems are deployed across the globe, offering security and peace of mind to businesses of all sizes and industries, from multinational corporations to start-ups and everything in between.

04 PROVEN QUALITY WITH PROVEN REFERENCES

ELID has been an ISO 9001 Management System certified company since the Year 2000. Our processes are carefully set-up to ensure that all products and services meet or exceed even the most stringent standards and expectations. ELID's deployed systems, both locally and abroad, continue to protect our clients after decades in operation and are a testament to our quality, reliability and sound design. ELID's products continue to be exported to over 30 countries world-wide and are deployed in every major industry segment from automotive to high-tech electronics manufacturing.

05 WIDEST RANGE OF INTEGRATED SECURITY SYSTEMS & SOLUTIONS

With an extensive line-up of in-house developed hardware and software systems, ELID has solutions that will cater to any and every security challenge. Our range of equipment comprises everything from turnstiles to closed circuit television systems. When required, specifically tailor-made solutions are also available from ELID's in-house team of designers, engineers and developers.

Product Road Map

ACCESS CONTROLLER

EL363 Compact Controller

EL363 is a single-door compact controller comprising access controller, card reader and keypad, designed to work independently. Multiple units can be connected together such that programming and report generations are handled through a PC running an ELID access management software.

Highlights of EL363
- Storage capacity: Stores up to 4,000 user-IDs and 1,000 offline transactions
- Display and keypad: LED 7-segment display and 12-key keypad
- Built-in EM card reader module
- Reading range: 3 - 8 cm
- Caters for timers and time zones, limiting access and users to different times of the day
- Optional EZ5 Remote Relay Module for added security whereby inputs and outputs are embedded on a separate module placed in a secure area
- Firmware can be updated in-circuit, through the serial download from the PC
- Equipped with a coin battery for real time clock back-up time up to a year
- Communication interface: RS485 or Multi-drop (requires additional converter) or TCP/IP (requires additional LAN module)
- Dimensions: 110(H) x 90(W) x 35(D) mm

Product Code	Description
EL0363B02	EL363E/B (R2) Single-Door Security Access System with built-in EM Proximity Reader Module & Keypad in Dark Grey Plastic Housing with Green LED (w/o EZ5 & Power Supply Unit)
EDZ005M02D	EZ5D Remote Relay – DIN mount
EA0079004D	EA79TD LAN Module, support 100M - DIN mount
EA0024002D	EA24D Converter (TTL to Multidrop) - DIN mount

EL374 Compact Controller

EL374 is a single-door compact controller comprising access controller, card reader and touch-sense keypad. Features of the EL374 and the EL363 are similar. The main difference is that the EL374 has a GLCD display whereas the EL363 has a 7-segment display. In addition to RS485, the EL374 also offers LAN or Multi-drop options.

Highlights of EL374
- Storage capacity: Stores up to 4,000 user-IDs and 2,000 offline transactions
- Display and keypad: GLCD display and 12 touch-sense keypad
- Built-in card reader module (EM/Mifare, depending on the type of card reader used)
- Reading range: 3 - 8 cm
- Caters for timers and time zones, limiting access and users to different times of the day

- Optional EZ5 Remote Relay Module for added security whereby inputs and outputs are embedded on a separate module placed in a secure area
- Simple programming set-up with scroll-down menu within the controller
- Firmware can be updated in-circuit, through the serial download from the PC
- Equipped with a calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication Interface: RS485 or Multi-drop (requires additional converter) or TCP/IP (requires additional LAN module)
- Dimensions: 100(H) x 135(W) x 30(D) mm

Product Code	Description
EL0374E01	EL374E/B Single Door Security Access System with built-in EM Reader Module, Touch Sense Keypad with blue GLCD Display in Black Plastic Housing (w/o LAN Module, EZ5 & PSU)
EL0374M01	EL374M/B Single Door Security Access System with built-in Mifare Reader Module, Touch Sense Keypad with blue GLCD Display in Black Plastic Housing (w/o LAN Module, EZ5 & PSU)
EDZ005M02D	EZ5D Remote Relay - DIN mount
EA0079004D	EA79TD LAN Module, support 100M - DIN mount
EA0024002D	EA24D Converter (TTL to Multidrop) - DIN mount

EL1335 Single-Door Access Controller

EL1335 is a single-door networkable access controller. EL1335 replaces the popular EL1330 and has a top face plate that gives protection to the electronics. Unlike EL1330, EL1335 has communication hardware settings, and all low-level parameters can be set through E.Win or WinPro. EL1335 offers a wide choice of communication modes with PC, namely, RS485, ELID proprietary Multi-drop and TCP/IP.

Highlights of EL1335
- Storage capacity: Stores up to 4,000 user-IDs and 2,000 offline transactions
- Reader type: Supports various types of reader such as EM/HID Proximity, Mifare Contactless Smart Card reader and Biometric
- Caters for timers and time zones, limiting access and users to different times of the day
- Provision for Anti-passback, Automatic Lock Release Time Zone and Automatic PIN Disable Time Zone
- Operation mode: Card, Card + PIN, PIN (20-set, 4-6 digits)
- Firmware can be updated in-circuit, through the serial download from the PC
- Equipped with a calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication interface: Multi-drop or RS485 or TCP/IP (requires additional LAN Module)
- Dimensions: 130(H) x 133(W) mm

Product Code	Description
EL1335002D	EL1335 Single-Door Security Access System, 12VAC operation (w/o LAN Module, PSU & Housing) - DIN mount
EA0079002	EA79B LAN Module, support 100M

EL2305   EL2306

EL2300 series High Performance Access Controller

EL2300 series access controller is developed as a third generation successor to the popular EL2200. In the EL2300 series, ELID has made key hardware upgrades on MCU, memory, and communication, using latest technology advancement, while retaining the familiar user interface and programming steps of EL2200, so as to reduce learning-time for existing users to a minimum.

There are 2 variants of the EL2300 series controller which share similar features:

EL2305
The EL2305 is a 2-door 2-reader controller, designed for mounting inside a metal housing together with power supply and battery.

EL2306
EL2306 is a full-fledged 2-door 4-reader controller with Entry Reader with Keypad; and Exit Reader for both doors. It designed for mounting inside a metal housing together with power supply and battery.

Highlights of EL2300 series
- Storage capacity: Stores up to 20,000 user-IDs and 10,000 offline transactions
- Reader type: Supports various types of reader such as Magnetic, Bar Code, EM/HID Proximity, Mifare Contactless Smart Card reader and Biometric
- Provision for dual card entry, output activation mapped to input status changes, fast reading speed and tail tag alarm operation
- Caters for timers and time zones, limiting access and users to different times of the day
- Provision for Anti-passback, Automatic Lock Release Time Zone and Automatic PIN Disable Time Zone
- Firmware can be updated in-circuit, through the serial download from the PC
- Battery back-up for internal data storage and time clock
- Communication interface: Multi-drop or RS485 or TCP/IP (requires additional LAN module)
- Dimensions: 155(H) x 146(W) mm

Product Code	Description
EL2305001D	EL2305D Enhanced 2-Door/2-Reader Security Access System (w/o LCD, Keypad, LAN Module, PSU & Housing) – DIN mount
EL2306001D	EL2306D Enhanced 2-Door/4-Reader Security Access System (w/o LCD, Keypad, LAN Module, PSU & Housing) – DIN mount
ER0013B04D	EK13SD Programming Keypad
EA0079002	EA79B LAN Module for EL2305 & EL2306, support 100M

EL2800 IP-Based Multi-door Access Controller

EL2800 is an advanced multi-door IP controller. EL2800 uses native LAN (not a terminal server which converts RS232 to LAN). Consequently, it is like a PC and can take full advantage of web access.
EL2800 provides access control functions for 4 doors. Entry and Exit readers are RS485 based and are connected by 4 wires in daisy-chain mode. Door sense signals and exit push button signals are directly wired to EL2800 board.

Highlights of EL2800
- Storage capacity: Stores up to 20,000 user-IDs and 20,000 offline transactions
- Reader type: Supports various types of reader such as EM/HID Proximity, Mifare Contactless Smart Card reader and Biometric
- Caters for timers and time zones, limiting access and users to different times of the day
- Provision for Global Anti-passback, Automatic Lock Release Time Zone and Automatic PIN Disable Time Zone
- Firmware is upgradeable through TCP/IP connection
- Simple programming set-up with scroll-down menu within the controller or via web server
- Equipped with a calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication interface: TCP/IP, RS485
- Dimensions: 210(H) x 155(W) mm

Product Code	Description
Controller Unit	
EL2800002	EL2800-v2 TCP/IP 4-Door Security Access System Module
ER0013B04	EK13S Programming Keypad
Readers & Keypads for EL2800	
ER0748RE1	EK748R/EM RS485 Touch Sense Keypad with blue GLCD Display, built-in with EM Reader Module
ER0723R01	ER723 RS485 Short Range EM Proximity Reader, Black
ER0748RM1	EK748R/MF RS485 Touch Sense Keypad with blue GLCD Display, built-in with Mifare Reader Module
ER0728R01	ER728 RS485 Mifare Contactless Card Reader, Black
Optional Item	
EA0045001	EA45 Reader Converter, Wiegand to RS485, in Plastic Housing (For standard range of ELID readers)
EA0062001	EA62 Peripheral Module with 8 supervised inputs and 4 relay outputs
EA0284001	EA284 4 Port HUB

ACCESS CONTROLLER

FC2300 series Car Park Access Controller

The FC2300 series Car Park Access Controller is housed in a robust vandal proof steel enclosure featuring a built-in power supply and back-up battery. ELID offers 3 models of barrier access controllers.

- FC2305 is suitable for small sized car parks, office blocks, condominiums and residential areas with a single entry and exit.
- FC2306 is suitable for medium sized car parks, office blocks, condominiums and residential areas with two entries and exits.
- FC2800 is suitable for large sized car parks, office building and residential areas with four entries and exits.

For FC2305 and FC2306, the system programming can be done with the EK13 Keypad interface. For FC2800, the programming can be done via web server or with the EK13 Keypad interface. All access controllers can function in either stand-alone mode or can be integrated using ELID's access management software solutions.

Highlights of FC2300 series
- Storage capacity (access panel dependent):
  - Stores a maximum of 3,200 to 20,000 user-IDs
  - Stores a maximum of 1,000 to 20,000 offline transactions
- Reader type: Supports Proximity, MIFARE and Contactless Smart Card Reader
- Caters for timers and time zones, limiting access and users to different times of the day
- Comprehensive anti-passback feature for car-park management
- Firmware can be updated in-circuit, using the serial port or TCP/IP downloads via PC
- Equipped with calendar & clock hardware to ensure accurate date and time
- Equipped with battery backup for internal data storage and time clock
- Communication interface:
  - FC2305 & FC2306 : Multidrop, RS485, TCP/IP (requires additional LAN Module)
  - FC2800 : TCP/IP
- Dimensions: 381(H) x 330(W) x 91(D) mm

Product Code	Description
EB2305001D	FC2305 Car Park Access System for 1-Entry & 1-Exit Point c/w EL2305D Board, EP42S Power Supply, EK13SD programming keypad & Relay in Metal Housing
EB2306001D	FC2306 Car Park Access System for 2-Entry & 2-Exit Point c/w EL2605D Board, EP42S Power Supply, EK13SD programming keypad & Relay in Metal Housing
EA0079002	EA79B LAN Module, support 100M (FC2305/FC2306)
EB2800001	FC2800 Car Park Access System for 4-Entry & 4-Exit Point c/w EL2800 Board & Power Supply in Metal Housing

EL2305L Lift Access Controller

EL2305L is the replacement for EL2205L Lift Access Controller and is designed for elevators. One relay contact is provided for each floor that the lift serves. Maximum size is up to 64 floors. EL2305L consists of 3 parts. The main controller and power supply are housed in a single metal cabinet. Reader is usually mounted at the lift operation panel, while floor selection board with associated relays is separately mounted in another cabinet. Communication between floor selection unit and main controller may be up to 1 KM. Programming can be done either directly by using the keypad at the controller panel or remotely via a PC.

Highlights of EL2305L
- Storage capacity: Stores up to 9,000 user-IDs and 5,000 (extended) offline transactions
- Reader type: Supports various types of reader such as Magnetic, Bar Code, Proximity, Mifare Contactless Smart Card reader and Biometric
- Caters for timers and time zones, limiting access and users to different times of the day
- Simple programming set-up with scroll-down menu within the controller
- Firmware can be updated in-circuit, through the serial download from the PC
- Equipped with a calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication interface: Multi-drop or RS485 or TCP/IP (requires additional LAN Module)

Product Code	Description
EL2305L16	EL2305L/16 Lift Access System (Reader Optional) For 1-16 Floors Comprising: (w/o Master Card) a) 1 x EL2305L Board, 1 x EP44S PSU & 1 x CS1127X metal casing b) 1 x 16-floor Floor Selector (EFD), 1 x ES8A-1 Relay Board (16 points), 1 x EP23 PSU & 1 x CS1099X metal casing
EL2305L32	EL2305L/32 Lift Access System (Reader Optional) For 1-32 Floors Comprising: (w/o Master Card) a) 1 x EL2305L Board, 1 x EP44S PSU & 1 x CS1127X metal casing b) 1 x 32-floor Floor Selector (EFD), 3 x ES8A-1 Relay Board (32 points), 1 x EP23 PSU & 1 x CS1099X metal casing
EL2305L48	EL2305L/48 Lift Access System (Reader Optional) For 1-48 Floors Comprising: (w/o Master Card) a) 1 x EL2305L Controller, 1 x EP44S PSU & 1 x CS1127X metal casing b) 1 x 32-floor Floor Selector (EFD), 3 x ES8A-1 Relay Board (32 points), 1 x EP23 PSU & 1 x CS1099X metal casing c) 1 x 16-floor Floor Selector (EFD), 1 x ES8A-1 Relay Board (16 points), 1 x EP23 PSU & 1 x CS1099X metal casing
EL2305L64	EL2305L/64 Lift Access System (Reader Optional) For 1-64 Floors Comprising: (w/o Master Card) a) 1 x EL2305L Controller, 1 x EP44S PSU & 1 x CS1127X metal casing b) 1 x 32-floor Floor Selector (EFD), 3 x ES8A-1 Relay Board (32 points), 1 x EP23 PSU & 1 x CS1099X metal casing c) 1 x 32-floor Floor Selector (EFD), 3 x ES8A-1 Relay Board (32 points), 1 x EP23 PSU, 1 x CS1099X metal casing

ACCESS CONTROLLER

EL3000S Fingerprint Controller

EL3000S Fingerflex Controller combines access controller, card reader and fingerprint recognition all-in-one compact and unique system designed after the shape of a human thumb.

Highlights of EL3000S
- Scanner: Capacitive sensor. It provides accurate fingerprint recognition without being affected by skin texture and condition
- Storage capacity: Stores up to 9,000 fingerprint templates and 40,000 offline transactions
- Display and keypad: 2x16-character backlit LCD display and 16-key keypad
- Built-in card reader module (EM/Mifare, depending on the type of card reader used)
- Highly accurate fingerprint recognition
- Fast verification time; suitable and effective for office or clean working environment
- Multiple verification mode
- Caters for timers and time zones, limiting access and users to different times of the day
- Provision for Anti-passback, Automatic Lock Release Time Zone and Automatic PIN Disable Time Zone
- Optional EZ5 Remote Relay Module for added security whereby inputs and outputs are embedded on a separate module placed in a secure area
- Simple programming set-up and enrollment with scroll-down menu within the controller
- Firmware can be updated in-circuit, through the serial download from the PC
- Equipped with a calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication interface: RS485 or TCP/IP (requires additional LAN Module)
- Dimensions: 190(H) x 120(W) x 50(D) mm

Product Code	Description
EL3000E01	EL3000S/EM Fingerflex Access System, built-in with EM Reader in Plastic Housing (w/o LAN Module & EZ5)
EL3000M01	EL3000S/MF Fingerflex Access System, built-in with Mifare Reader in Plastic Housing (w/o LAN Module & EZ5)
EL3000H01	EL3000S/HID Fingerflex Access System, Built-in with HID Reader in Plastic Housing (w/o LAN Module & EZ5)
EATCPMG04	EA79X LAN Module, support 100M
EDZ005M02D	EZ5 Remote Relay - DIN mount

ACCESS MANAGEMENT SOFTWARE

E.WIN Single-User Access Manager

E.WIN is an enhanced version of EsofWIN2. It provides graphical user interface for data entry and information retrieval thus offering an easy way to manage security of up to 128 doors. It also has built-in time attendance software.

It is ideally designed with vast options and capabilities commonly required for a medium sized organization. E.WIN can be recognized easily as a key solution for security risks, giving users peace of mind, for a cost effective, robust and easily upgradeable system.

Highlights of E.WIN
- Provides system access rights for different users
- Provides a comprehensive audit trail reports of administrator/user's actions
- Supports TCP/IP network setting
- Simple setting of time zones, door-access levels and lift-floor access for card holders
- Provides real-time activity monitoring, which means activities occurring at the controllers are reported immediately and displayed on the On-line Monitoring Screen
- Provides basic alarm monitoring features (Acknowledge, Disarm and Arm)
- Provides area trace feature which allows the operator to list down all card holders in a defined area
- Provides "Car Counting" facility
- Transaction reports can be filtered, generated and stored in text/Excel file
- Integrates with Time Attendance Software (single-shift/multiple-shift) to monitor staff's attendance effectively
- Provides an intranet web module, enabling the E.WIN information to be viewed through the standard web browsers anywhere in the premise at anytime easily.

Product Code	Description
EWEWIND00	E.WIN /0 Single-User Access Management Software for controlling 1-4 Doors, c/w Time Management Software (Single-Shift)
EWEWIND01	E.WIN /1 Single-User Access Management Software for controlling 16 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
EWEWIND02	E.WIN /2 Single-User Access Management Software for controlling 32 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
EWEWIND03	E.WIN /3 Single-User Access Management Software for controlling 64 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
Optional Software Modules for E.WIN:	
EWEWINM02	E.WIN Lift Access Module
EWEWIN M05	E.WIN Intranet Web Module, 4 web-client

INTEGRATED SECURITY SYSTEM

WinPro 2 Integrated Security Manager

WinPro 2 is ELID's client-server Security Management Software which supports up to 1,024 doors, providing total security supervision and control for commercial and industrial buildings. WinPro 2 handles access control functions for doors, car parks, turnstiles and lifts. Access, Intrusion and Surveillance can be controlled from a single terminal. It also offers time attendance analysis and visitor management.

Benefits
- CCTV Video Integration: Integrate with high definition surveillance systems that supports live video viewing, playback recorded video and event-based video recording
- Smartphone Application: Manage the system 24/7 from anywhere via Smartphone
- Web Access: System administration and configuration can be performed remotely using standard web browsers
- Visitor Management: Provides interface to E.VIS Visitor Management package in which visitor access can be programmed and restricted to selected locations
- Dashboard provides system-wide, real-time view and status updates in an easy to use interface
- Support for up to 512 outputs and 256 inputs

Highlights of WinPro 2
- Allows concurrent multi-user system access
- Intuitive interface for systems configuration and administration
- Provides real-time activity monitoring
- Integrates seamlessly with ELID Time Attendance Software
- Comprehensive transaction and audit trail reports
- Area trace feature
- Alarm monitoring feature
- Supports SMS and email alert notification
- Behavioral analysis feature

Product Code	Description
WinPro 2 Basic (Multi-user Access Management Software c/w Multiple-shift Time Management Software, SQL database, 4 workstations)	
EWWINP201B	WinPro2/1 (Basic), support 1-16 Doors (with EL70P software dongle)
EWWINP202B	WinPro2/2 (Basic), support 1-32 Doors (with EL70P software dongle)
EWWINP203B	WinPro2/3 (Basic), support 1-64 Doors (with EL70P software dongle)
WinPro 2 Standard (Basic features cum Enhance Area Trace, Email/SMS Alert, Alarm Monitoring, Behavioral Analysis & Lift Access)	
EWWINP201S	WinPro2/1 (Standard), support 1-16 Doors (with EL70P software dongle)
EWWINP202S	WinPro2/2 (Standard), support 1-32 Doors (with EL70P software dongle)
EWWINP203S	WinPro2/3 (Standard), support 1-64 Doors (with EL70P software dongle)
WinPro 2 Premium (Standard features cum Intranet Access, EFD Support, CCTV Interfacer, System Dashboard, Chart, Commond Centre & VMS Interfacer)	
EWWINP201P	WinPro2/1 (Premium), support 1-16 Doors (with EL70P software dongle)
EWWINP202P	WinPro2/2 (Premium), support 1-32 Doors (with EL70P software dongle)
EWWINP203P	WinPro2/3 (Premium), support 1-64 Doors (with EL70P software dongle)

Note: Please contact ELID for the license that supports more than 64 doors or more than 4 workstations

Web Interfacer	
EL4200W01	EL4200 Web Interfacer (supports Web Interfacer Access & Mobile App) c/w PSU in metal housing - 332(W)X302(H)X85(D) mm
ARA Q-Visit	
EWWINPQ01	ARA Q-Visit Module (1st year subscription)
EWWINPQ02	ARA Q-Visit Module (yearly renewal subscription)
SBERQR001	QR Reader with cover, Wiegand Port

SPHERE Integrated Security System

ELID's SPHERE Integrated Security System is built upon the robust and proven WINPRO platform and is designed with advanced security features for the most demanding enterprise requirements. It is suited for organizations that require large numbers of access points, input/output points and is equipped with high-level encryption on a TCP/IP local area network infrastructure. SPHERE features mini server technology to improve system performance.

SPHERE handles access control functions for doors, car parks, turnstiles and lifts. It is capable of integrating access, intrusion supervision and CCTV to form a common supervisory and control platform. Besides, SPHERE also offers time attendance analysis, visitor management, area tracking and other essential features. SPHERE can be monitored and controlled through a connected workstation as well as via mobile application or a standard web browser.

Benefits
- CCTV Video Integration: Integrate with high definition surveillance systems that supports live video viewing, playback recorded video and event-based video recording
- Smartphone Application: Manage the system 24/7 from anywhere via Smartphone
- Web Access: System administration and configuration can be done through standard web browsers
- Visitor Management: Provides interface to E.VIS Visitor package in which each visitor card access can be programmed and restricted to selected locations
- Dashboard provides system-wide, real-time view and status updates in an easy to use interface
- Supports up to 32,768 general purpose outputs and 16,384 sensor inputs
- Supports multiple mini servers that allow for effective monitoring and control of a large number of access points

Highlights of SPHERE
- Allows concurrent multi-user system access
- Intuitive interface for systems configuration and administration
- Provides real-time activity monitoring
- Integrates seamlessly with ELID Time Attendance Software
- Comprehensive transaction and audit trail reports
- Area trace feature
- Alarm monitoring feature
- Supports SMS and email alert notification
- Behavioral analysis feature

VISITOR MANAGEMENT SYSTEM

Product Code	Description
SPHERE license (WinPro 2 Premium features cum Mini Server support)	
EWSPHE003	SPHERE /3 Multi-User Access Management Software, SQL database, 1-64 Doors, 4 workstations, c/w Multiple-Shift Time Management Software, Email/SMS, Alarm Monitoring, Behaviour Analysis, Lift Access, EFD Support, CCTV Interfacer, MiniServer Support & VMS Interfacer
EWSPHE004	SPHERE /4 Multi-User Access Management Software, 1-128 Doors, 4 workstations (with EL70P software dongle)
EWSPHE006	SPHERE /6 Multi-User Access Management Software, 1-256 Doors, 4 workstations (with EL70P software dongle)
EWSPHE010	SPHERE /10 Multi-User Access Management Software, 1-512 Doors, 4 workstations (with EL70P software dongle)
Note: Please contact ELID for the license that supports more than 4 workstations	
Web Interfacer	
EL4200W01	EL4200 Web Interfacer (supports Web Access & Mobile App) c/w PSU in metal housing - 332(W)x302(H)x85(D) mm
Mini Server for SPHERE	
EL4700L01	EL4700 Mini-server with local LAN connection to local controllers and WAN connection to remote server
EL4700LM1	EL4700 Mini-server with multi-drop connection to local controllers (1 bus) and WAN connection to remote server
EL4700LM2	EL4700 Mini-server with multi-drop connection to local controllers (2 buses) and WAN connection to remote server
EL4700LM3	EL4700 Mini-server with multi-drop connection to local controllers (3 buses) and WAN connection to remote server
EL4700LM4	EL4700 Mini-server with multi-drop connection to local controllers (4 buses) and WAN connection to remote server

E.VIS Visitor Management System

The E.VIS VMS (Visitor Management System) from ELID boasts a range of powerful features coupled with an intuitive user-focused interface. Its systematic design approach makes visitor management a breeze. The E.VIS VMS helps to significantly enhance overall corporate security and reduce the risk of break-ins through the identification of unwanted or suspicious persons with the help of MyKad identification technology.

E.VIS is designed to keep track of visitor traffic details. It also enables instantaneous background checks to be done quickly and easily. It minimizes processing time, reduces user errors (e.g. sign-in and sign-out problems) and generates visitor badges within seconds.

E.VIS incorporates a touch-screen monitor, MyKad reader, camera and a proximity reader to provide users with a simple and complete solution for visitor management.
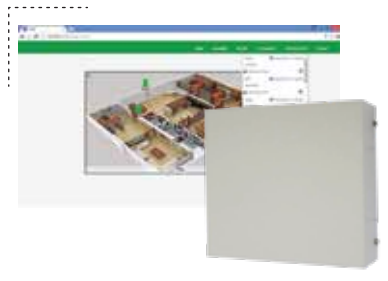
Highlights of E.VIS
- Fast and automated recording of a visitor's personal information through the MyKad reader.
- Integrated touch screen monitor, allowing users to key in additional information easily via an intuitive on-screen virtual keyboard.
- Integrated camera for capturing visitor images and business card details. Visual data is directly stored into the visitor database.

CLOUD-BASED SECURITY SYSTEM

- Assign pre-printed visitor badges (proximity cards) within seconds through the integrated proximity reader.
- Restrict or limit visitor access rights through a pre-assigned proximity card
- Store real-time visitor information.
- Generate comprehensive reports in real time via built in visitor management and analysis software
- Integrates seamlessly with ELID WinPro access management software.

Product Code	Description
ETEVIS001	E.VIS Visitor Management System, 4 workstations, consist of ET636 built-in with Mifare Reader c/w Stand (USB Communication) & E.VIS Software Installation CD
ETEVIS002	E.VIS Visitor Management System, 4 workstations, consist of ET636 built-in with EM Reader (ELID Format) c/w Stand (USB Communication) & E.VIS Software Installation CD
ETEVIS003	E.VIS Visitor Management System, 4 workstations, consist of ET636 built-in with HID Reader c/w Stand (USB Communication) & E.VIS Software Installation CD
SBSMCR003	MYKAD Smart Card Reader (USB Connection)

Maple Cloud-Based Access Control System

Maple is a cloud based access control system that makes access control and time attendance easy and accessible from anywhere. MAPLE was designed from the ground up to take full advantage of the Cloud.

Setting-up the system is fast, simple and intuitive with zero-software-installation. System maintenance and recovery can be done easily. MAPLE's powerful features help businesses increase efficiency and reduce maintenance costs.

Benefits
- Live Control: Manage and monitor the system 24/7 from anywhere
- Instant Alert: Receive immediate event alert notifications via smartphone app, e-mail and SMS text messages
- Ease of Use: Simple and intuitive graphical user interface
- Ultra-Fast Setup & Deployment: Maple can be up and running in a matter of hours instead of days
- Hassle-Free System Recovery: All prior settings can be restored in minutes via ELID Cloud services

Highlights of Maple
- Cloud Storage: All abnormal events are uploaded to the cloud automatically/ All data is automatically and securely backed-up to ELID's cloud server
- Door Access Control: Support all ELID standard controllers
- Integrated Time Attendance System
- Web Application (Maple View): Perform systems administration and configuration via web browser
- Smartphone Application (eMirage & eTime): Manage the system 24/7 from anywhere via Smartphone
- Auto-Software Updates: Software is upgraded automatically without user participation
- Proprietary Encryption: Data communication from web browsers to Maple is protected by industrial standard SSL
- ELID Central Services: Experience professional maintenance and management of your security system without the need for costly in-house technical expertise

Product Code	Description
ELMAPEW01	Maple Cloud-Based Access Control System, Wall-mount set

CLOUD MANAGEMENT SYSTEM

ARA Cloud Residential Management System

ELID ARA is a cloud-based residential management system, used to monitor and manage the various activities of residential society for condominiums. Manual methods of management are tedious, inefficient and inadequate for the task. ELID ARA can handle resident management, visitor management, facilities management and more, easily and cost effectively.

ELID ARA is a paperless community management solution that brings a whole new level of convenience, efficiency, and cost savings to building management teams and residents. ELID ARA is powered by the latest cloud-based technology infrastructure which is accessible anywhere and anytime.

It significantly eases the process of service requests, speeds up response time and enhances communication between residents and management teams. It improves productivity and simplifies processes for the management office. All data is kept secure and accessible conveniently through a PC or any mobile device.

ELID Ara was designed specifically for:
- Residential Information Management
- Residential Complaint Management
- Announcement Management
- Visitor Management

Benefits for Residents:
- Intuitive & Powerful User Interface
- Compatible with All Your Devices
- Powerful Time Saving Features
- Effortless Visitor Registration
- Instant Notifications

Integration with ELID Security System
- Experience enhanced security features
- Improve operational efficiencies with ELID access control integration

Product Code	Description
EWARAR001	ARA Residential Management System-Yearly subscription per unit (less than 1000 units)
EWARAR002	ARA Residential Management System-Yearly subscription per unit (1000 to 2000 units)

ARA Cloud Workspace Management System

ELID ARA is a cloud-based workspace management system, used to monitor, manage and ensure efficient and effective use of any workspace. Manual methods of management are tedious and inefficient for the task. ELID ARA can manage employee information, visitor management and facilities management easily and cost effectively.

ELID ARA is a paperless communication management solution that brings a whole new level of convenience, efficiency, and cost savings to office administrators and employees. ELID ARA is powered by the latest cloud-based technology infrastructure which is accessible anywhere and anytime.

It significantly simplifies the process of service requests and visitor registration, speeds up response time and enhances communication between employees and office administration teams. All data is kept secure and accessible conveniently through a PC or any mobile device.

ELID Ara was designed specifically for:
- Employee Information Management
- Building/ Facilities Complaint Management
- Announcement Management
- Visitor Management

Benefits for Employees:
- An Intuitive & Powerful User Interface
- Compatible with All Your Devices
- Possesses Powerful Time Saving Features
- Effortless Visitor Registration
- Instant Notifications

Integration with ELID Security System
- Experience enhanced security features
- Improve operational efficiencies with ELID access control integration

Product Code	Description
EWARAW001	ARA Workspace Management System (Basic Package), yearly subscription
EWARAW002	ARA Workspace Management System (Business Package), yearly subscription
EWARAW003	ARA Workspace Management System (Enterprise Package), yearly subscription

VIDEO ANALYTICS

ELIDEye AI-Powered Visual Anti-Tailgate System

The ultimate purpose of an access control system is to ensure that access to a secure area is restricted to "authorized" personnel only. Tailgating is the most prevalent security risk that defeats this purpose, consequently jeopardizing the privacy/safety of the information/people in a secure area. This phenomenon occurs when an authorized individual uses standard access techniques (card, fingerprint, face) to gain access to a secure area, and without his/her consent or knowledge, an unauthorized person seizes the opportunity to enter the secure area before the door closes. Unfortunately, standard access control systems cannot tackle/prevent tailgating because they are unable to count the actual number of people entering a secure area after an authorized person has gained access and opened the door.

ELIDEye is an advanced anti-tailgate system with artificial intelligence (AI) that can be integrated with any standard access control system to detect and alert against all tailgating offences, hence providing enhanced security. It is equipped with a built-in webserver that allows the user to control and configure the device operation from any standard web browser.

Benefits
- Tailgate Detection: Protection against various security breach scenarios such as tailgating, piggybacking and crossing
- Enhanced Security: Provides a high level of security by ensuring only a single person can enter each time an authorized personnel's card is swiped/badged
- Enforces proper card/fingerprint usage: Encourages employees to adhere to proper access control protocols
- Affordable: AI-powered rather than using expensive mantrap vestibules, turnstiles or electronic sensor beams
- Non-intrusive: Mounted on the ceiling. Day-to-day movement of employees is unobstructed.
- High Compatibility: Effortless integration with any standard access controller, requiring only two signals - valid entry and door sensor
- Low maintenance costs: No hardware that is subject to wear and tear; hence, no periodic repairs or maintenances is necessary

Highlight 1: Detect Humans Effectively
ELIDEye is able to differentiate humans from other moving objects. Therefore, when an employee walks in with a trolley, stroller or luggage, it will only detect the employee. It will not falsely detect the moving trolley as another person.

Highlight 2: Detect Piggybacking Effectively
During piggybacking, two or more people move together closely. It is difficult to isolate and detect the exact number of people during piggybacking. ELIDEye has superior ability to detect precise locations of people even if they are close to each other. This feature enables ELIDEye to effectively detect piggybacking.

Highlight 3: Detect Crossing Effectively
ELIDEye is able to track the movement of people. Therefore, it can differentiate between entering and exiting people. It is suited for detecting crossing. An alarm will not trigger if one person enters and another person exits the secure area at the same time.

Product Code	Description
EV0100001	EV100 ELIDEye Anti-Tailgate System c/w embedded camera and I/O board in plastic casing, TCP/IP supported (w/o PSU)

ELID-ANPR Automatic Number Plate Recognition

Automatic number plate recognition (ANPR) is a technology that uses optical character recognition (OCR) to recognize license plate numbers from captured images of the vehicle license plate. ELID-ANPR is a stand-alone Linux-based ANPR system with superior OCR performance, achieved by deploying state-of-the-art deep neural networks. It is meant to be installed and used at the edge – this eliminates the need for any PC or software installation. ELID-ANPR is equipped with a built in web-server, which allows the user to perform important functions like database management, adjusting settings and software updates through the web interface. It can also be directly managed from ELID's access control softwares. The system is packaged with a powerful, dedicated IP camera that is specifically designed to be accessed by ELID-ANPR processing unit for obtaining crisp images of license plates.

Benefits
- State-of-the-art Technology
- True Unconstrained Performance
- Real-time ANPR
- Easy Installation And Set-up
- Effortless Integration
- 24/7 Operation
- All Weather Conditions
- Evidential Image Storage
- Speed/ Time
- Convenient

Product Code	Description
ELID-ANPR Automatic Number Plate Recognition	
EV0200L01	EV200 (1-Lane) ELID-ANPR Automatic Number Plate Recognition c/w CPU, IO board, network hub & PSU in metal housing (CS1128DX)
EV0200L02	EV200 (2-Lane) ELID-ANPR Automatic Number Plate Recognition c/w CPU, IO board, network hub & PSU in metal housing (CS1099X)
EV0200LE1	EV200 (1-Lane) ELID-ANPR Automatic Number Plate Recognition c/w CPU, IO board, network hub & PSU (w/o metal housing)
EV0200AP1	Accessories Package for ELID-ANPR (EV200), consists of:- a) IP LPR Camera b) Bracket for LPR Camera c) Buzzer 12V d) LED indicator lights with PVC plastic box
Optional Item for ELID-ANPR	
SFCAMPA02	Pole for LPR camera
SFCAMPA03	PVC Plastic Box with U bracket for LPR camera

TIME RECORDING TERMINAL

ET1200S series Time Clock

ET1200S is a Time Recording Terminal that is housed in a sturdy metal cabinet. Power supply, back-up battery (for 6 hours operation) and time operated relay output for linking to an external sounder are all built in.

Highlights of ET1200S
- Storage capacity: Stores up to 30,000 offline transactions and 4,000 6-digit card ID numbers
- Display type: 20x2 backlit LCD display and 4x7-segment LED
- Reader type: Designed to work with various types of reader such as Bar Code, Magnetic, Proximity & Mifare reader
- Diagnostic test: Built-in self-diagnostic tests
- Improved data storage integrity checking
- Caters for 9 working sessions with In & Out selection respectively
- Built-in firmware allows ET1200S to be used with Job Costing, and Meal Subsidy application software
- Communication interface: Multi-drop or RS485 or TCP/IP (requires additional LAN)
- Dimensions: 295(H) x 220(W) x 95(D) mm

Product Code	Description
ET1241002	ET1241S/BC Time Recording Terminal with Bar Code Reader, Power Supply Unit & Battery in Metal Housing (w/o LAN Module)
ET1237002	ET1237S/EM Time Recording Terminal with EM Reader, Power Supply Unit & Battery in Metal Housing (w/o LAN Module)
ET1233002	ET1233S/HD Time Recording Terminal with HID Reader, Power Supply Unit & Battery in Metal Housing (w/o LAN Module)
ET1201002	ET1201S/MG Time Recording Terminal with Magnetic Reader, Power Supply Unit & Battery in Metal Housing (w/o LAN Module)
EATCPMG04	EA79X LAN Module, support 100M

ET1300S series Time Clock

ET1300S is a time recording terminal that is housed in a plastic casing. It has many advanced built-in features allowing the unit to be used for time recording application.

Highlights of ET1300S
- Storage capacity: Stores up to 30,000 offline transactions and 4,000 6-digit card ID numbers
- Display type: 20x2 LCD display and a 16-key keypad
- Built-in card reader module (EM/Mifare/HID, depending on the type of card reader used)
- Diagnostic test: Built-in self-diagnostic tests
- Improved data storage integrity checking
- Caters for 9 working sessions with In & Out selection respectively

- Built-in firmware allows ET1300 to be used with Job Costing, and Meal Subsidy application software
- Communication interface: Multi-drop or RS485 or TCP/IP (requires additional LAN)
- Dimensions: 152(H) x 130(W) x 65(D) mm

Product Code	Description
ET1300E02	ET1300S/EM Time Recording Terminal, built-in with EM Reader, AC Power Supply & Battery in Plastic Housing (w/o LAN Module)
ET1300E03	ET1300S/EM-EF (ELID Format) Time Recording Terminal, built-in with EM Reader, AC Power Supply & Battery in Plastic Housing (w/o LAN Module)
ET1300M02	ET1300S/MF Time Recording Terminal, built-in with Mifare Reader, AC Power Supply & Battery in Plastic Housing (w/o LAN Module)
ET1300H02	ET1300S/HID Time Recording Terminal, built-in with HID Reader, AC Power Supply & Battery in Plastic Housing (w/o LAN Module)
EATCPMG04	EA79X LAN Module, support 100M

ET636 Time Clock

ET636 is an user-friendly time recording terminal with a built-in card reader, graphical display and keypad that is housed in a plastic casing. ET636 is directly plugged into the PC via USB cable for data polling and power supply.

Highlights of ET636
- Storage capacity: Stores up to 6,000 offline transactions and 500 6-digit card ID numbers
- Keypad type: 4x4 matrix membrane keypad with feather-touch keys
- Display type: 128x64 pixels graphical backlit LCD
- Built-in card reader module (EM/Mifare/HID, depending on the type of card reader used)
- Built-in calendar clock with on-board back-up battery
- Can integrate with third party software
- Communication interface: USB
- Dimensions: 135(H) x 100(W) x 32(D) mm

Product Code	Description
ET0636001	ET636/E (ELID EM format) with Stand (USB Communication), Chronos Software, 10 EM Proximity Cards & USB Cable
ET0636M01	ET636/MF (Mifare format) with Stand (USB Communication), Chronos Software, 10 Mifare Cards & USB Cable
ET0636H01	ET636/H (HID format) with Stand (USB Communication), Chronos Software, 10 HID Proximity Cards & USB Cable

ET3100 Bioflex Fingerprint Time Clock

ET3100 Bioflex is a reliable, user-friendly and cost-effective Optical Fingerprint Recognition Time Recording Terminal.

Highlights of ET3100 Bioflex
- Scanner type: Optical fingerprint scanner (500 dpi)
- False Rejection Rate: 1.4%
- False Acceptance Rate: 0.00001%
- Storage capacity: Stores up to 9,000 fingerprint templates and 30,000 offline transactions
- Identification Time: Average 1 second for 1,000 fingerprints
- Enables enrollment of up to 10 fingerprints for each user
- Verification mode: Fingerprint only (1:N), ID only, ID+ Fingerprint (1:1), ID + PIN
- Display type: 128x64 pixels with backlit LCD display
- Fast verification time; suitable and effective for office or factory environment
- Communication interface: RS485 or LAN
- Dimensions: 180(H) x 150(W) x 50(D) mm

Product Code	Description
ET3100001	ET3100 Fingerprint Time Recording Terminal
ET3100L01	ET3100/L Fingerprint Time Recording Terminal, built-in with LAN Module
ET3100LE1	ET3100/LE Fingerprint Time Recording Terminal, built-in with LAN Module & EM Reader Module

E.SDK Interface Software

E.SDK is a set of interface tools which allows the developers to develop their software using ELID's Time Recording Terminals. The E.SDK consists of 2 parts: DLL and GUI

Dynamic Link Library (DLL)
The Dynamic Link Library provides an Application Program Interface (API) prepared for development of the PC application that integrates the time clock functionalities. It supports various development tools: Microsoft Visual Basic 6.0 (or above), Borland Delphi, etc.

Graphical User Interface Application (GUI)
The Graphical User Interface Application on the other hand is a simple polling software. It provides an output file in text file format.

Highlights of E.SDK
- Synchronizes the date and time for time clock and PC
- Downloads transactions from the time clock
- Installs and deletes the card number from the time clock
- Fingerprint template management (upload/download/delete)
- Time clock settings: set sounder, set session, etc

Product Code	Description
EWESDK000	E.SDK Software Development Tool (DLL & GUI) for ELID Time Recording Terminal in CD only, support 64 clocks (no softkey)

Chronos Basic Time Manager

Chronos is an entry-level single-user simple time attendance software suitable for small offices. The software allows clock data in the time recording terminals to be uploaded to the PC, and processed to generate attendance reports.

Highlights of Chronos
- Provides a startup wizard which leads the user to complete the basic settings
- Provides numerous reports of employees' attendance status for the purpose of tracking attendance
- Provides flexible working hours
- Immediate display of transactions received from the time clock
- Attendance of employees which includes In/Out time and OT start/end time can be edited by the administrator
- Provides data export and import feature

Product Code	Description
EWCNOS000	Chronos Time Attendance Management Software, Single-shift, support 1 clock

E.Time Single-User Time Manager

E.Time is a full-featured multi-shift time attendance software, designed to work with ELID Time Clocks. It enhances and concentrates on collecting, processing, storing and analyzing of clock data, and provides comprehensive attendance reporting.

Highlights of E.Time
- Provides a startup wizard which leads the user to complete the basic settings
- Provides comprehensive reports of employees' attendance status for the purpose of tracking attendance
- Provides shift schedules where each of the staff can be assigned any shift (working schedule) any day
- Provides flexible working hours
- Immediate display of transactions received from the time clock
- Attendance of employees which includes In/Out time and OT start/end time can be edited by the administrator
- Provides data export and import feature as well as migration tool

Product Code	Description
EWTIMEU01	E.Time Time Management Software, 100 users, single workstation, support IP Time Clock &16 clocks
EWTIMEU02	E.Time Time Management Software, 500 users, single workstation, support IP Time Clock & 16 clocks
EWTIMEU03	E.Time Time Management Software, 1000 users, single workstation, support IP Time Clock & 16 clocks
EWTIMEU04	E.Time Time Management Software, unlimited users, single workstation, support IP Time Clock & 16 clocks

TIME ATTENDANCE SOFTWARE

TimePro Multi-User Time Manager

TimePro is an user friendly and rich-in-functionalities attendance software, suitable for factories and large corporations. It is an extension of E.Time, developed with the robust SQL Server Database, that allows multi-users to access the system simultaneously.

Highlights of TimePro

- Provides a startup wizard which leads the user to complete the basic settings
- Allows up to 50 authorized users (supports up to 50 workstations) to log in concurrently into the system, with full functions control
- Provides comprehensive reports of employees' attendance status for the purpose of tracking attendance
- Provides shift schedules where each of the staff can be assigned any shift (working schedule) any day
- Provides flexible working hours
- Provides user-definable job codes
- It designed with a comprehensive attendance processing engine, by Time Frame or Session Code (Work, Meal, Overtime) with your choice of selection that suits the working environment.
- Immediate display of transactions received from the time clock
- Attendance of employees which includes In/Out time and OT start/end time can be edited by the administrator
- Provides data export and import feature as well as migration tool
- Users can be assigned to access particular software functions, departments, sections and groups only

Product Code	Description
EWTIMP001	TimePro/1 Time Attendance Software, SQL database, unlimited users, 4 workstations, support IP Time Clock & 16 clocks
EWTIMP002	TimePro/2 Time Attendance Software, SQL database, unlimited users, 10 workstations, support IP Time Clock & 16 clocks
EWTIMP003	TimePro/3 Time Attendance Software, SQL database, unlimited users, 25 workstations, support IP Time Clock & 16 clocks
EWTIMP004	TimePro/4 Time Attendance Software, SQL database, unlimited users, 50 workstations, support IP Time Clock & 16 clocks

Note: Please contact ELID for the license that supports more than 16 clocks

READER

ER928   ER928   ER728

MIFARE Smart Card Reader

ER928 and ER728 are ELID Mifare® Contactless Smart Card readers with built-in antenna. ELID Mifare reader interfaces with external equipment via Wiegand signals. ER928's plastic housing is designed to match with EK9S Keypad, whereas ER728's plastic housing is designed to match with EK748 Keypad Reader.

- Reading range: 1 - 5cm
- Power consumption: 12V / 150mA
- RF frequency: 13.56 Mhz
- Output format: Wiegand, Free Wiegand
- Dimensions:
  ER928: 110(H) x 44(W) x 35(D) mm
  ER728: 100(H) x 45(W) x 15(D) mm

Product Code	Description
ER928 MIFARE Reader	
ER0928007	ER928v3 Mifare Contactless Card Reader, Beige (Wiegand 26/32 bits)
ER0928B07	ER928/B-v3 Mifare Contactless Card Reader, Dark Grey (Wiegand 26/32 bits)
ER728 MIFARE Reader	
ER0728W01	ER728W MIFARE Contactless Card Reader, Black (Wiegand 26/32 bits)

MIFARE Secure+ Smart Card Reader

ER930 is a MIFARE Contactless Card Reader with USB 2.0 connectivity. It is designed with a new encrypted "Secure+" card format that will defeat most card-cloning attempts. It supports MIFARE Classic 1K (S50) Cards and USB keyboard outputs as well as Virtual COM port outputs.

- Reading Range: 3-5 cm
- Power consumption: 12V / 150mA
- RF frequency: 13.56 Mhz
- Output format: Free-Wiegand 32-bit
- Dimensions: 110(H) x 44(W) x 35(D) mm

Product Code	Description
ER930AB01	ER930A/B Mifare Contactless Card Reader with USB 2.0 connectivity, Dark Grey
ER930PB01	ER930P/B Mifare Contactless Card Programmer with USB 2.0 connectivity, Dark Grey
EA0930001	EA930 PC Kit (c/w software CD, reader stand & USB cable)

READER

HID Proximity Reader

ERH923 is a ELID Short-range Proximity reader, compatible with all ELID access controllers. The plastic housing is designed to match with EK9S Keypad.

- Reading range: 1 - 5 cm
- Power consumption: 12V / 150mA
- Transmission frequency: 125 Khz
- Output format: Wiegand
- Dimensions: 110(H) x 44(W) x 35(D) mm

Product Code	Description
ER09230M2	ERH923 Short Range 5 cm Proximity Reader, Beige (HID compatible)
ER09230M4	ERH923/B Short Range 5 cm Proximity Reader, Dark Grey (HID compatible)

ERM923   ERM923   ERM723

EM Proximity Reader

ERM923 and ERM723 are ELID Short-range Proximity readers, compatible with all ELID access controllers.

- Reading range: 1 - 5cm
- Power consumption: 5V / 50 mA
- Transmission frequency: 125 kHz
- Output format: Wiegand
- Dimensions:
  ERM923: 110(H) x 44(W) x 35(D) mm
  ERM723: 100(H) x 45(W) x 15(D) mm

Product Code	Description
ERM923 EM Reader	
ER0923B06	ERM923/B Short Range Proximity Reader, Dark Grey (EM compatible)
ER0923006	ERM923 Short Range Proximity Reader, Beige (EM compatible)
ER0923E08	ERM923E/B Short Range Proximity Reader, Dark Grey (EM compatible, ELID Format)
ER0923E07	ERM923/E Short Range Proximity Reader, Beige (EM compatible, ELID Format)
ERM723 EM Reader	
ER0723W01	ER723W Short Range Proximity Reader, Black (EM compatible)

READER/KEYPAD

EK748 Keypad Reader

EK748's enclosure features sculpted surfaces and a sandblasted matte finish contrasted with piano black highlights. The integrated mood-lighting adds a touch of elegance to complement any environment.

EK748's built-in card reader module is designed to meet the most demanding access control requirements. It comes with a high precision 12-key touch sense keypad and a 128 x 32 GLCD display. The enclosure's robust construction makes it ideal for high traffic indoor use.

- Keypad type: 12-key touch sense keypad
- Display type: 128 x 32 Graphical LCD display
- Transmission frequency: 125Khz, 13.56MHz (depending on the type of card reader used)
- Reading range: Between 3cm and 8cm
- Power supply: 12VDC
- Output format: Wiegand, Free Wiegand
- Dimensions: 100(H) x 135(W) x 30(D) mm

Product Code	Description
ER0748SE1	EK748W/EM Touch Sense Keypad with blue GLCD Display, built-in with EM Reader Module
ER0748SM1	EK748W/MF Touch Sense Keypad with blue GLCD Display, built-in with Mifare Reader Module

EK9R Keypad Reader

EK9R is a compact keypad with built-in EM proximity reader module. Functionally, it is equivalent to the EK9S with a built-in EM reading module. The keypad with reader is compatible with all ELID Access Controllers.

- Keypad type: 12-key membrane keypad
- Display type: 4x7segment LED display
- Transmission frequency: 125 Khz
- Reading range: Between 3cm and 8cm
- Power consumption: 5V / 50 mA
- Output format: Wiegand
- Dimensions: 110(H) x 90(W) x 35(D) mm

Product Code	Description
ER0009R01	EK9R Serial Keypad (Rubber) with 4x7 Segment Display, Beige, built-in with EM module
ER0009RB1	EK9R/B Serial Keypad (Rubber) with 4x7 Segment Display, Dark Grey, built-in with EM module

ER35 Bar-Code Reader

ER35 is an Infra-red Swipe-type Bar Code reader. It will work with EL23XX Door Access Controllers, and read bar code cards encoded in 3-of-9 format or ELID 2-of-5 interleaved format.

- Resolution: Medium (0.19 mm)
- Reading range: Reliable reading over wide speed range
- Dimensions: 40(H)x35(L)x120(W) mm

Product Code	Description
ER0035002	ER35 Reader, Infra Red Bar Code Swipe in Stainless Steel

ER5S Magnetic Reader

ER5S is a Swipe-type Magnetic reader, designed to work with EL23XX Door Access Controller.

ER5S
ER5S is a Magnetic Reader with 12-key membrane keypad, packaged in a plastic casing together with 4x7-segment LED status display. Communication to controller is by 8 wires.

ER5SB
ER5SB is a Magnetic reader, without keypad (2 LED status display). Communication to controller is by 7 wires.

- Reader type: Swipe-type Magnetic reader, track 2 (Other tracks also available)
- Reading range: Wide reading speed range of 100-1500 mm/s
- Dimensions: 120(H) x 120(L) x 50(W) mm

Product Code	Description
ER0005008	ER5S Serial Swipe Reader, Keypad & 4x7 Segment Display
ER0005010	ER5SB Exit Reader w/o Keypad

ER301 Fingerprint Reader

ER301 is a high performance fingerprint reader with built-in card reading module. ER301 captures and stores fingerprint images to be used as templates to verify each specific finger's unique ridge pattern. ER301 is compatible with all ELID access controllers which provides you a total access management system.

- Storage capacity: 9,000 fingerprint templates, 100 cards
- Enables enrollment of up to 10 fingerprints for each user
- Built-in card reader module (EM/MIFARE/HID, depending on the type of card reader used)

- Displays transaction code (eg: Invalid card, Invalid time zone)
- Multiple verification mode: 1:N or 1:1
- Fast verification time
- Large backlight graphical LCD display
- Non-volatile EEPROM memory for data storage
- Communication interface: RS485 or TCP/IP
- Dimensions: 180(H) x 150(W) x 50(D) mm

Product Code	Description
ER0301001	ER301 Optical Fingerprint sensor; built-in EM reader
ER0301M01	ER301 Optical Fingerprint sensor; built-in Mifare reader
ER0301H01	ER301 Optical Fingerprint sensor; built-in HID reader
EATCPMG04	EA79X LAN Module, support 100M

EK9S Keypad

EK9S is compatible with all ELID Access Controllers, and is often used in conjunction with various types of readers. Only 8 wires are used for both scanning keypad and displaying status.

- Keypad type: 12-key membrane keypad
- Display type: 4x7-segment LED display
- Casing: Plastic casing, surface mount design
- Dimensions: 110(H) x 90(W) x 35(D) mm

Product Code	Description
ER0009001	EK9S Serial Keypad (Rubber) with 4x7 Segment Display, Beige
ER0009B01	EK9S/B Serial Keypad (Rubber) with 4x7 Segment Display, Dark Grey

ET636 Reader Registration Terminal

ET636 Reader Registration Terminal is a desktop card reader with an LCD display that is USB powered. It is available with built-in EM, HID or Mifare reader. It is designed to have a Wiegand Reader linked to E.Win or WinPro Access Manager for card-holder registration.

- Keypad type: 4x4 matrix membrane keypad
- Display type: 128x64 pixels graphical backlit LCD
- Reader type: Built-in Mifare/EM/HID Proximity reader module
- Reading range: 1 - 5cm
- Communication interface: USB
- Dimensions: 135(H) x 100(W) x 32(D) mm

Product Code	Description
ET0636MR1	ET636/MR Mifare Reader Registration Terminal (USB Communication) c/w stand & USB cable
ET0636MR2	ET636/MR (ELID Format) Mifare Reader Registration Terminal (USB Communication) c/w stand & USB Cable
ET0636ER1	ET636/ER EM Reader Registration Terminal (USB Communication) c/w stand & USB cable
ET0636HR1	ET636/HR HID Reader Registration Terminal (USB Communication) c/w stand & USB cable

COMMUNICATOR/ CONVERTER

EL70Q Communicator

EL70Q is a single bus Multi-drop or RS485 (Simplex) to USB interface converter, allowing PC to be linked to 16 controllers with maximum distance of 1 KM.

- Conversion circuitry: 1x Multi-drop or RS485 to 1 x USB interface conversion circuitry
- Dimensions: 78(H) x 125(W) x 30(D) mm

Product Code	Description
EL070Q001	EL70Q Communicator, Multidrop/RS485 to USB

EL70S Converter

EL70S is designed to convert RS485 communication signals to USB communication signals or vice versa.

- Conversion circuitry: 1x RS485 to 1 x USB interface conversion circuitry

Product Code	Description
EL070S001	EL70S Converter, RS485 to USB

EL70L LAN Terminal Server

EL70L is a mediating communication device between a PC and any ELID controllers for a small scale networked configuration on an Ethernet local area network. The communicator converts TCP/IP to Multi-drop/RS485 or vice versa.

- Conversion circuitry: 1x Multidrop/RS485 to 1 x TCP/IP interface conversion circuitry
- Dimensions: 78(H) x 125(W) x 30(D) mm

Product Code	Description
ELTS70001	EL70L LAN Terminal Server c/w EA79X & Adapter in Metal Housing

EA24 Multidrop Converter

EA24 is designed to convert TTL signals to Multi-drop communication signals, providing high immunity in lightning prone areas.

Product Code	Description
EA0024002D	EA24D Converter, TTL to Multidrop (EL363r2 & EL374) - DIN mount

EA48 Converter

EA48 is designed to convert Wiegand communication signals to RS232/RS422 communication signals.

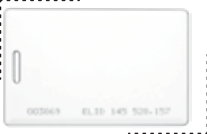| Product Code	Description
EA0048001	EA48 Converter, Wiegand to RS232/RS422, Power Supply Adaptor, Power Cord & Serial Cable in Metal Housing

CARD

Magnetic Card

Product Code	Description
EC0001100	Hico Magnetic Card, Blank Card, Plain White (No PIN provided)
EC000210U	Hico Magnetic Card, ELID Logo, User

HID Card

Product Code	Description
EC002102U	Proximity Cards II 1326, Thick Card, ELID Format, Plain White
EC002101U	Proximity Cards II 1326, Thick Card, 26-bit Wiegand Format, Plain White
EC002400U	ISOProx II 1386, Credit Card Size (Thin), User (Vinyl), 26-bit Wiegand Format
EC002402U	ISOProx II 1386, Credit Card Size (Thin), User (Vinyl), ELID Format

EM Card

Product Code	Description
EC0021E02	Proximity Cards (EM compatible, ELID Format), Thick Card, Plain White (FWIE Number Printed)
EC0024E02	Proximity Cards (EM compatible, ELID Format), Thin Card, Plain White (FWIE Number Printed)

Mifare Card

Product Code	Description
EC00084L1	Mifare Contactless Smart Card, Free WIE (EMS Format), Plain White
EC0008HL1	Mifare Contactless Smart Card (1K), Plain White (Note: Card number is non-sequential number)
EC00084S1	Mifare Contactless Smart Card, 32-bit Free Wiegand (ELID Secure+ Format)

POWER SUPPLY

EP42S Power Supply

This is a 12V/4.2A switching power supply in a metal housing, with separate charger output for charging lead acid battery.

Product Code	Description
EP0042003	EP42S Power Supply, 12V/4.2A Switching c/w PS2D Low Volt Cut-off (w/o Metal Housing) Note: For DIN mount products

SBPOES111   SBPOES112

Power over Ethernet (POE)

POE power injector sets and POE splitters are catered for ELID Access Control System which amplifying the effectiveness of access control structure and reducing project costing.

Product Code	Description
SBPOES003	POE Splitter 12V/2A, support 10/100M
SBPOES004	POE Splitter 12V/1A, support 10/100M
SBPOES111	POE Power injector package 1, consists of 54V charger, 4-port POE Injector, PS22 low-volt cut off assembled in a metal cabinet (CS1099PX)
SBPOES112	POE Power injector package 2, consists of 54V charger, 4-port POE Injector, PS22 low-volt cut off and 4 units of 7AH battery assembled in a metal cabinet (CS1099PX)
SBPOES113	POE Power injector package 3, consists of 54V charger & 4-port POE Injector (w/o PS22, metal cabinet & battery)

ACCESSORIES

CS1099PX   CS1056DX

Metal Casing

Product Code	Description
CS1056DX	Metal Casing with DIN Rails for Accessories & PSU Dimensions: 256(H)x285(W)x74(D) mm
CS1128DX	Metal Casing with DIN Rails for EL1335D, EL2305D, EL2306D & PSU: 302(H)x360(W)x85(D) mm
CS1098X	Metal Casing for EL2800/ER50X/PSU Dimensions: 381(H)x330(W)x91(D) mm
CS1099X	Metal Casing for EL5XXX Dimensions: 415(H)x405(W)x121(D) mm
CS1099PX	Metal Casing for POE battery backed power supply Dimensions: 415(H)x405(W)x121(D) mm

ELID LAN Module

The ELID LAN Module is designed to provide TCP/IP communication capability for ELID controllers.

Product Code	Description
EA0079002	EA79B LAN Module built-in with RJ45 socket, support 100M (EL1335/EL2305/EL2306)
EA0079004D	EA79TD LAN Module built-in with RJ45 socket, support 100M (EL0363B02/EL374) - DIN mount
EATCPMG04	EA79X LAN Module, support 100M (EL3000S/ER301/ET1200S/ET1300S)
EL070F001	EL70F LAN Module built-in with RJ45 socket, support 100M (c/w software license key)

EA22 Reader Buffer Kit

EA22 is a reader buffer kit comprising of a transmitter (EA22T) and a receiver (EA22R). The buffer extends cable length for reader up to 1 KM. Furthermore, optical isolation is provided for working in noisy electrical environments with high surges. EA22R works with most popular ELID controllers with Wiegand reader interface. It is particularly recommended for Car Park and Lift Access system where readers are placed far from the controllers.

Product Code	Description
EA0022001	EA22 Reader Buffer Kit c/w Power Supply Adaptor in Plastic Housing

EA55 Keypad/Reader Interface Kit

EA55 consists of a pair of interface modules EA55R and EA55C, for extending the range of ELID Serial Keypad/Reader up to 100m. EA55R is connected at the Keypad/Reader end and EA55C is connected at the controller end.

Product Code	Description
EA0055R01	EA55R Extended Range Serial Keypad/Reader Module (reader side)
EA0055C01	EA55C Extended Range Serial Keypad/Reader Module (controller side)

EA5A Buffer

EA5A is a signal extension board for EK9S Keypad (maximum extension is 30 meters, subject to the site condition).

Product Code	Description
EA0005001	EA5A Buffer (w/o Metal Housing)

EA481 Surge Protector

EA481 is a RS485 Surge Protector for ELID Access Controller

Product Code	Description
EA0481001	EA481 RS485 Surge Protector (Board only)

EZ5 Remote Relay

EZ5 is a remote relay board for added security to ELID controllers (EL363, EL374 and EL3000S) whereby inputs and outputs are embedded on a separate module placed in a secure area.

- Output: 2 (EM lock, general purpose output)
- Input: 3 (door sensor, push button and general purpose input)

Product Code	Description
EDZ005M02D	EZ5D Remote Relay - DIN mount

ACCESSORIES

EA8 Relay Interface Unit
EA8 is a relay interface unit which supports up to 6 outputs and 2 inputs.

Product Code	Description
EA0008002D	EA8D Relay Interface Unit - DIN mount

EFD80 I/O Module
EFD80 is an intelligent electronic field device which supports up to 8 output points and 16 input points. It's application is to monitor other 3rd party sensors such as perimeter photobeam sensors, seismic detectors, passive infrared detectors, smoke detectors and hardware based integration to fire alarm systems to release fire monitoring doors during fire evacuation mode. Each EFD80 can be expandable to support up to 32 output points via an ES8A output card.
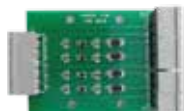
Product Code	Description
ES1608001	EFD1608 Intelligent I/O Module, 16 Input Points & 8 Output Points with EP23 PSU & PS3 in Metal Housing - 415(H)x405(W)x121(D) mm

ES8A Relay Board
ES8A is a relay board which supports up to 8 output points.

Product Code	Description
XS008A001X	ES8A Relay Board (for 8 Outputs)

EA20 Level Shifter
EA20 is a level shifter board that designs to connect two readers in parallel.

Product Code	Description
EA0020001	EA20 Level Shifter (Board Only)

TECHNICAL SUPPORT

Ensuring Your ELID System is Working At its Best
Our products and systems are sophisticated pieces of hardware and software. However, maintaining them doesn't need to be a complicated affair. ELID is committed to providing industry leading technical support and maintenance services. All ELID products come with a 1-year warranty against any manufacturing defects. In the event that there is a malfunction, our Technical Services Department (TSD) and Authorized Resellers Partners (ARP) are the best people to help investigate and solve any technical issues in the shortest time possible.

There are 3 ways to get help for your ELID system:

Option 1
Self Help
Visit the technical support page at www.elid.com and follow the instructions to find the necessary support documentation.

Option 2
Call or E-mail Us
Contact us at +603-7960 9695, anytime between 9:00 a.m. and 6:00 p.m., Mondays to Fridays or drop us an email at support@elid.com.

Option 3
Arrange for On-Site Support
Do check your product warranty status. Download and fill up the RMA Form available on our website, and submit it to support@elid.com

Disclaimers
Product variations and options availability:
All product specifications are accurate at the time of this publishing. However, ELID reserves the right to modify product specifications at any time, without prior notice and without incurring obligations.

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CONTACT

ELID Sdn Bhd
www.elid.com

No.19, Jalan 51A/223, Sek 51A,
46100 Petaling Jaya,
Selangor, Malaysia.

Tel: (603) 7960 9695
Fax: (603) 7960 6761

Sales: sales@elid.com
Technical: support@elid.com