

PRODUCT CATALOGUE

2016/2017

Access Control • Time Attendance • Integrated System



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

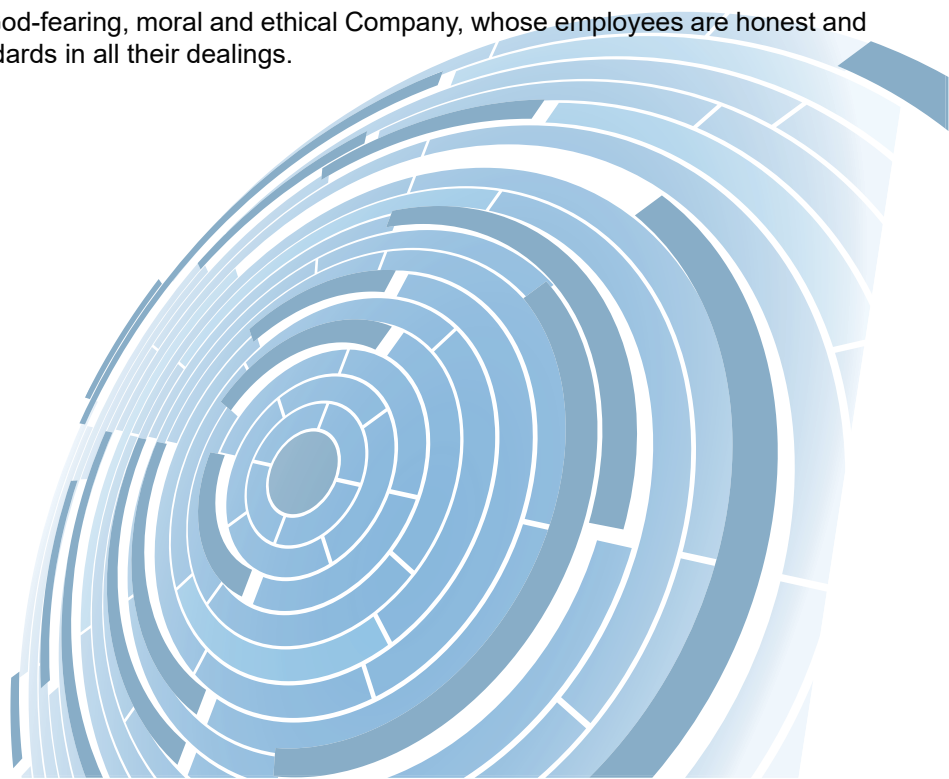
We have progressed steadily to capture a significant market share in South East Asia. We aim to consolidate this, and extend our market coverage throughout the world.

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

WHY CHOOSE ELID INTEGRATED SECURITY SYSTEMS & SOLUTIONS?

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.

1 27 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.

2 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.

3 CONTINUOUS IN-HOUSE RESEARCH AND DEVELOPMENT

Backed by over 27 years 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.

4 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.

5 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.

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Access Controller



EL330 Standalone Controller

EL330 is a simple card access cum pin entry system which is expected to meet the needs of small offices. EL330 has a metal cover with silver finish that provides vandal resistant protection.

Highlights of EL330

- Storage capacity: Stores up to 1,000 user-IDs
- Display and keypad: LED display and 16-key keypad
- Built-in EM proximity reading module
- Reading range: 5 - 10 cm
- Operation mode: Card/PIN/Card+PIN
- Door relay time: 00-99 seconds
- Alarm time: 00-99 seconds
- Door open detection
- External push switch
- Keystroke backlight
- Dimensions: 128(H) x 82(W) x 28(D) mm

Product Code	Description
EL-0330-M01	EL330/M Single-Door Security Access System, Keystroke Backlight in Matt Metal Shell (Waterproof)
EA-0330-001	Rain Shield for EL330



EL363 Compact Controller

EL363 is a single-door access 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 2,000 user-IDs and 1,000 offline transactions
- Display and keypad: LED 7-segment display and 12-key keypad
- Built-in EM proximity reading 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 calendar clock chip to give an accurate date and time
- Battery back-up for internal data storage and time clock
- Communication interface: RS485
- Dimensions: 110(H) x 90(W) x 35(D) mm

Product Code	Description
EL-0363-B01	EL363E/B 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)
ED-Z005-M01	EZ5 Remote Relay in Plastic Housing



EL2311 Nova Compact Controller

EL2311 Nova is a single-door access controller comprising access controller, card reader and keypad. Nova is another flagship access control product by ELID; it is developed based on the EL2300 series access controller platform which is well known for its reliability and versatility. In addition to RS485, the EL2311 Nova offers option of using TCP/IP by plugging a LAN module on board.

Highlights of EL2311 Nova

- Storage capacity: Stores up to 20,000 user-IDs and 10,000 offline transactions
- Display and keypad: LCD display and 16-key keypad
- Built-in reader module
- Reading range: 3 - 8 cm
- Caters for timers and time zones, limiting access and users to different times of the day
- Tamper protection
- 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 TCP/IP
- Dimensions: 135(H) x 100(W) x 40(D) mm

Product Code	Description
EL-2311-E01	Nova (EL2311/EM) Single-Door Security Access System, built-in with EM Reader (ELID Format), EZ2 Security Module & LCD in Plastic Housing (w/o EA79 LAN Module & PSU)
EL-2311-M01	Nova (EL2311/MF) Single-Door Security Access System, built-in with Mifare Reader, EZ2 Security Module & LCD in Plastic Housing (w/o EA79 LAN Module & PSU)
EL-2311-H01	Nova (EL2311/HID) Single-Door Security Access System, built-in with HID Reader, EZ2 Security Module & LCD in Plastic Housing (w/o EA79 LAN Module & PSU)
EA-0079-001	EA79 LAN Module

Access Controller



EL1335 Single-Door 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 2,000 user-IDs and 1,000 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
- Dimensions: 130(H) x 133(W) mm

Product Code	Description
EL-1335-001	EL1335 Single-Door Security Access System, 12VAC operation, with Face Plate (w/o LAN Module, Power Supply Unit & Housing)
EA-0079-002	EA79B LAN Module built-in with RJ45 socket



EL1375 Two-Door Controller

EL1375 is operable either as a single-door controller or 2-door 2-reader controller. It has the same footprint as the EL1335 and provides enhanced features as follows:-

- 1-door controller with entry and exit reader, or 2-door controller with entry readers and push-button exit
- Features a 16-bit dual core MCU whose reliability is such that it is widely used in the automotive industry
- Features a 512KB SRAM memory to offer larger card user database and transaction log storage
- Provides advanced features such as dual card entry, and programmable event-triggered outputs
- Features Flash as program storage. This allows in-circuit firmware upgrade via PC on-site, without the need for physical replacement of any memory chips

Highlights of EL1375

- Storage capacity: Stores up to 20,000 user-IDs and 10,000 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
- Similar to EL2205 programming steps. Initial setup/programming can be done through EK13 hand-held programming keypad
- 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
- Dimensions: 128(H) x 140(W) mm

Product Code	Description
EL-1375-001	EL1375 Security Access System Module, with Face Plate (w/o LCD, Keypad, LAN Module, Power Supply Unit & Housing)
ER-0013-B03	EK13 Programming Keypad
EA-0079-002	EA79B LAN Module built-in with RJ45 socket



EL2205 Single-Door Controller

EL2205 has established a solid reputation as an extremely reliable and versatile controller – easy-to-learn, easy-to-use and problem free. Various options and accessories allow the EL2205 to be used for controlling doors, elevators (up to 64 floors), car-park barriers (with Anti-passback) and time attendance.

Highlights of EL2205

- Storage capacity

	Card Database	Transaction Database
Standard EL2205	1,600	2,000
Standard EL2205 (extended mode)	3,200	1,000

- Display and keypad: 2x20-character backlit LCD display and 16-key keypad
- 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
- Simple programming set-up with scroll-down menu within the controller
- 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
- Dimensions: 208(H) x 155(W) mm

Product Code	Description
EL-2205-020	EL2205 Security Access System Module with LCD, Keypad (w/o Power Supply Unit & Metal Housing)

Access Controller



EL2301



EL2305/EL2306

EL2300 series High Performance 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 3 variants of the EL2300 series controller which share similar features:

EL2301

The EL2301 is a 1-door 2-reader controller, enclosed in a plastic casing with LCD display and keypad, suitable for wall-mounting at eye level to facilitate programming.

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
- Display and keypad: 2x16 or 2x20-character backlit LCD display and 16-key keypad
- 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
- Simple programming set-up with scroll-down menu within the controller
- 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
- Dimensions:
EL2301: 150(H) x 130(W) x 70(D) mm
EL2305/EL2306: 155(H) x 146(W) mm

Product Code	Description
EL-2301-001	EL2301 Single-Door Security Access System with LCD in Plastic Housing (w/o LAN Module & Power Supply Unit)
EL-2305-001	EL2305 Enhanced 2-Door/2-Reader Security Access System Module with Face Plate, LCD & Keypad (w/o EA79B LAN Module, PSU & Housing)
EL-2306-001	EL2306 Enhanced 2-Door/4-Reader Security Access System Module with Face Plate, LCD & Keypad (w/o EA79B LAN Module, PSU & Housing)
EA-0079-001	EA79 LAN Module for EL2301
EA-0079-002	EA79B LAN Module for EL2305 & EL2306



EL2800 IP-Based Multi-door 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
- 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
EL-2800-002	EL2800-v2 TCP/IP 4-Door Security Access System Module
ER-0845-B01	ERM845/B RS485 Short Range Proximity Reader, Black (EM compatible) - 85(H)x45(W)x15(D) mm
ER-0848-B01	ER848/B RS485 Mifare Contactless Card Reader, Black - 85(H)x45(W)x15(D) mm
ER-0848-RE1	EK848R/EM RS485 Touch Sense Keypad with blue GLCD Display, built-in with EM Reader Module - 100(H)x135(W)x30(D)mm
ER-0848-RM1	EK848R/MF RS485 Touch Sense Keypad with blue GLCD Display, built-in with Mifare Reader Module - 100(H)x135(W)x30(D)mm
ER-0847-B01	EK847R/B RS485 Serial Keypad (Rubber) with LED Display, Black, built-in with EM reader - 115(H)x90(W)x35(D) mm
ER-0351-E01	ER351 Single-door Reader Interface Unit, built-in with EM reader in Black Plastic Housing - 115(H)x90(W)x35(D) mm (For EL2800 V2 Board)
EA-0045-001	EA45 Reader Converter, Wiegand to RS485, in Plastic Housing (For standard range of ELID readers)
ER-0013-B03	EK13 Programming Keypad
EA-0062-001	EA62 Peripheral Module with 8 supervised inputs and 4 relay outputs
EA-0284-001	EA284 4 Port HUB

Access Controller



EL3000S Fingerflex 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 proximity reading 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
- Dimensions: 190(H) x 120(W) x 50(D) mm

Product Code	Description
EL-3000-E01	EL3000S/EM Fingerflex Biometric Access System, built-in with EM Reader in Plastic Housing (w/o EA79 LAN Module & EZ5)
EL-3000-M01	EL3000S/MF Fingerflex Biometric Access System, built-in with Mifare Reader (W26/W32/EMS Format, Programmable) in Plastic Housing (w/o EA79 LAN Module & EZ5)
EL-3000-H01	EL3000S/HID Fingerflex Biometric Access System, Built-in with HID Reader in Plastic Housing (w/o EA79 LAN Module & EZ5)
EA-0079-001	EA79 LAN Module
ED-Z005-M01	EZ5 Remote Relay in Plastic Housing



ELID Barrier Access Controller

The ELID Barrier 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.

- FC1205 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

FC1205 and FC2306 are each equipped with a 2x20-character backlit LCD display and a 16-key keypad for system programming. 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 ELID Barrier Access Controller

- Storage capacity (controller 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:
 - FC1205 : Multidrop
 - FC2306 : Multidrop, RS485, TCP/IP
 - FC2800 : TCP/IP
- Dimensions: 381(H) x 330(W) x 91(D) mm

Product Code	Description
EB-1205-001	FC1205 Car Park Access System for 1-Entry & 1-Exit Point c/w EL2205 Board, Power Supply, LCD, Keypad & Relay in Metal Housing
EB-2306-001	FC2306 Car Park Access System for 2-Entry & 2-Exit Point c/w EL2306 Board, Power Supply, LCD, Keypad & Relay in Metal Housing
EB-2800-001	FC2800 Car Park Access System for 4-Entry & 4-Exit Point c/w EL2800 Board & Power Supply in Metal Housing

Access Controller



EL2205L Lift Access Controller

EL2205L Lift Access Controller is designed for elevators. One relay contact is provided for each floor that the lift serves. Maximum size is up to 64 floors. EL2205L 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 EL2205L

- Storage capacity: Stores up to 2,700 user-IDs and 2,000 offline transactions
- Display and keypad: 2x20-character backlit LCD display and 16-key keypad
- Reader type: Supports various types of reader such as Magnetic, Bar Code, Proximity, Mifare Contactless Smart Card reader
- 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
- Dimensions: 415(H) x 405(W) x 121(D) mm for each metal casing

Product Code	Description
EL-2205-L16	EL2205L/16 Lift Access System (Reader Optional) For 1-16 Floors comprising: (w/o Master Card) a) 1 x EL2205 Board, 2 x EP23 Power Supply, 1 x EB485 Board b) 1 x EFD0016 Floor Selector (XS-1608-003), 1 x ES8A-1 Relay Board (16 points) & Mounted in metal casings x 2 (CS-1099)
EL-2205-L32	EL2205L/32 Lift Access System (Reader Optional) For 1-32 Floors comprising: (w/o Master Card) a) 1 x EL2205 Board, 2 x EP23 Power Supply, 1 x EB485 Board b) 1 x EFD0032 Floor Selector (XS-1608-003), 3 x ES8A-1 Relay Board (32 points) & Mounted in metal casings x 2 (CS-1099)
EL-2205-L48	EL2205L/48 Lift Access System (Reader Optional) For 1-48 Floors comprising: (w/o Master Card) a) 1 x EL2205 Controller, 1 x EP23 Power Supply, 1 x EB485 Board; b) 1 x EFD0032 Floor Selector (XS-1608-003), 1 x EP23 Power Supply, 3 x ES8A-1 Relay Board (32 points); c) 1 x EFD0016 Floor Selector (XS-1608-003), 1 x EP23 Power Supply, 1 x ES8A-1 Relay Board (16 points) & Mounted in metal casings x 3 (CS-1099)
EL-2205-L64	EL2205L/64 Lift Access System (Reader Optional) For 1-64 Floors comprising: (w/o Master Card) a) 1 x EL2205 Controller, 1 x EP23 PSU, 1 x EB485 Board; b) 1 x EFD0032 Floor Selector (XS-1608-003), 1 x EP23 PSU, 3 x ES8A-1 Relay Board (32 points); c) 1 x EFD0016 Floor Selector (XS-1608-003), 1 x EP23 PSU, 3 x ES8A-1 Relay Board (32 points) & Mounted in metal casings x 3 (CS-1099)

Visitor Management



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.
- 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
ET-EVIS-001	E.VIS Visitor Management System, 4 workstations, consists of ET636/MF Built in with MIFARE Contactless Reader c/w Stand (USB Communication) & E.VIS Software Installation CD
ET-EVIS-002	E.VIS Visitor Management System, 4 workstations, consists of ET636/E Built in with EM Reader (ELID Format) c/w Stand (USB Communication) & E.VIS Software Installation CD
ET-EVIS-003	E.VIS Visitor Management System, 4 workstations, consists of ET636/H Built-in with HID Reader c/w Stand (USB Communication) & E.VIS Software Installation CD
SB-SMCR-003	MyKad Smart Card Reader (USB Connection)

Access Manager



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 a Web Module, enabling the E.WIN information to be viewed through the standard web browsers anywhere at anytime easily
- Provides Modem Module that supports Hayes compatible dial-up and leased line modems

Product Code	Description
EW-EWIN-D00	E.WIN /0 Single-User Access Management Software for controlling 1-4 Doors, c/w Time Management Software (Single-Shift)
EW-EWIN-D01	E.WIN /1 Single-User Access Management Software for controlling 16 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
EW-EWIN-D02	E.WIN /2 Single-User Access Management Software for controlling 32 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
EW-EWIN-D03	E.WIN /3 Single-User Access Management Software for controlling 64 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
EW-EWIN-D04	E.WIN /4 Single-User Access Management Software for controlling 128 Doors, c/w Time Management Software (Single & Multiple-Shift), Support IP Controller
Optional Software Modules for E.WIN:	
EW-EWIN-M02	E.WIN Lift Access Module
EW-EWIN-M05	E.WIN WEB View Module, 4 web-client



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
- Visitor Management: Provides interface to E.Vis Visitor package in which each visitor card access can be programmed and restricted to selected locations
- System administration and configuration can be done through standard web browsers
- Supports multiple mini servers that allow for effective monitoring and control of a large number of access points
- Dashboard provides system-wide, real-time view and status updates in an easy to use interface
- Support up to 1,024 outputs and 512 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, Support IP Controller, 4 workstations)
EW-WINP-201B	WinPro2/1 (Basic), support 1-16 Doors
EW-WINP-202B	WinPro2/2 (Basic), support 1-32 Doors
EW-WINP-203B	WinPro2/3 (Basic), support 1-64 Doors
WinPro 2 Standard	(Basic features cum Enhance Area Trace, Email/SMS Alert, Alarm Monitoring, Lift Access & Behavioral Analysis)
EW-WINP-201S	WinPro2/1 (Standard), support 1-16 Doors
EW-WINP-202S	WinPro2/2 (Standard), support 1-32 Doors
EW-WINP-203S	WinPro2/3 (Standard), support 1-64 Doors
WinPro 2 Premium	(Standard features cum Smartphone Application, Visitor Management, CCTV Video Integration, Web Module, Mini Server Support, System Dashboard, EL2800 I/O Board Support & EFD I/O Support)
EW-WINP-201P	WinPro2/1 (Premium), support 1-16 Doors
EW-WINP-202P	WinPro2/2 (Premium), support 1-32 Doors
EW-WINP-203P	WinPro2/3 (Premium), support 1-64 Doors
Note: Please contact ELID for the license that supports more than 64 doors or more than 4 workstations	

Intrusion Alarm System



EH480 Intrusion Alarm System

The EH480 is a state-of-the-art intrusion alarm system that provides protection for your property 24 hours a day, 7 days a week. This thoughtfully designed system features a simple and intuitive user interface that allows the user to monitor and manage their entire security system via Smartphone application or standard web browsers such as Internet Explorer, Firefox or Chrome. Users can configure, view and control the alarm system from anywhere and at anytime. The EH480 supports up to 32 zones of protection and 8 arming keypads.

Highlights of EH480

- Cloud-based solution
- Supports up to 32 programmable zones, ideally suited for both residential and commercial application.
- Arm/Disarm the system via web browser and mobile application, entering PIN code, or badging a proximity card on the keypad
- User database: 10 PIN codes (4-digit), 10 cards.
- Support up to 8 arming keypads
- Simplified operation via keypad and LCD display.
- Stores up to 1,000 alarm events on the web server and 10 alarm events on the EH60 Keypad.
- User is able to access the system through standard web browsers without additional TCP/IP modules.
- User is able to receive alert notifications when an alarm is triggered without the need of an additional GSM module.
- Stores up to 5 mobile phone numbers
- Features an automatic timer to arm/disarm the system at a predetermined time.
- Features 3 different emergency buttons (Fire, Medical, Panic).
- Features 6 arming modes (Away, Night, Stay, Partition, Bypass, Force)
- Provides log file to record user activities
- Firmware can be updated in-circuit or via LAN from a PC

Product Code	Description
EH-0480-001	EH480 Intrusion Alarm Panel with 8 programmable zones
ER-0060-EK1	EH60 Arming Keypad for EH480, with built-in EM Reader
EAEH48001	EH48 Expansion Board (8 Inputs + 4 outputs)

Smart Security System



Mirage Smart Security System

The Mirage Smart Security System is a cloud-based, integrated security solution that packs powerful features, yet offers a simple and intuitive user experience. Mirage is suitable for both commercial and residential buildings and has built-in support for expansion to multiple sites.

Mirage seamlessly integrates CCTV Surveillance, Access Control and Intrusion Monitoring to form a single intelligent system where specified actions will take place automatically once security anomalies are detected.

Mirage is able to handle up to 8 individual sites, and each site supports up to 16 cameras, 16 access controlled doors and 16 intrusion alarm zones.

Viewing and controlling these 3 elements is simple thanks to the eMirage & eTime Smartphone app. Important information and controls are presented in a simple and intuitive graphical interface that anyone can learn within minutes. System administration and configuration as well as report printing can be done through standard web browsers such as Internet Explorer or Chrome.

Benefits

- Real-Time Control: Monitor and control your entire security system from your Smartphone
- Live Feed: View the latest CCTV images in high-definition and in real-time, from anywhere
- Instant Alert: Receive immediate notification alerts (Smartphone App, E-Mail, SMS Text) when a security alarm is triggered
- Ease of Use: Simple and intuitive graphical user interface

Highlights of Mirage

- Cloud Storage: All abnormal events are uploaded to the cloud automatically
- High-Definition CCTV: Supports HD resolution video(AHD/HD-CVI).
- Door Access Control: Support for TCP/IP and Serial Communication
- Time Attendance: Real time reporting, leave application and approval via Smartphone/tablet
- Web Application (Mirage View): Perform systems administration and configuration via web browser
- Smartphone Application (eMirage & eTime): Support for multiple site access
- Integrated Operation: Alert notifications are linked to the relevant video clips
- Easy Expansion: Add up to 8 Mirage sites in a single system
- Automatic Updates: Software is upgraded automatically without user participation
- Proprietary Encryption: Data communication from web browsers to Mirage 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
EL4200001	EL4200 Mirage Smart Security System (Mini Server)[u1]

Time Clock



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
- Battery back-up for internal data storage and time clock
- Simple set-up and enrollment programming with scroll-down menu within the controller
- Communication interface: RS485 or LAN
- Dimensions: 180(H) x 150(W) x 50(D) mm

Product Code	Description
ET-3100-001	ET3100 Fingerprint Time Recording Terminal
ET-3100-L01	ET3100/L Fingerprint Time Recording Terminal, built-in with TCP/IP
ET-3100-LE1	ET3100/LE Fingerprint Time Recording Terminal, built-in with TCP/IP & EM Reader Module



ET1200S series Time Recording Terminal

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
- Dimensions: 295(H) x 220(W) x 95(D) mm

Product Code	Description
ET-1241-002	ET1241S/BC Time Recording Terminal with Bar Code Reader, Power Supply Unit & Battery in Metal Housing (w/o EA79 LAN Module)
ET-1237-002	ET1237S/EM with EM Reader, Power Supply Unit & Battery in Metal Housing
ET-1233-002	ET1233S/HD with HID Reader, Power Supply Unit & Battery in Metal Housing
ET-1201-002	ET1201S/MG with Magnetic Reader, Power Supply Unit & Battery in Metal Housing
EA-0079-001	EA79 LAN Module



ET1300 Time Recording Terminal

ET1300 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 ET1300

- 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
- Reader type: Designed to work with 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 ET1300 to be used with Job Costing, and Meal Subsidy application software
- Communication interface: Multi-drop or RS485 or TCP/IP
- Dimensions: 152(H) x 130(W) x 65(D) mm

Product Code	Description
ET-1300-E02	ET1300S/E Time Recording Terminal, built-in with EM Reader, AC Power Supply & Battery in Plastic Housing (w/o EA79 LAN Module)
ET-1300-E03	ET1300S/E built-in with EM Reader (ELID Format) , AC Power Supply & Battery in Plastic Housing
ET-1300-M02	ET1300S/MF built-in with Mifare Reader, AC Power Supply & Battery in Plastic Housing
ET-1300-H02	ET1300S/H built-in with HID Reader, AC Power Supply & Battery in Plastic Housing
EA-0079-001	EA79 LAN Module



ET630 series Time Recording Terminal

ET630 is a user-friendly time recording terminal with a built-in card reader, graphical display and keypad that is housed in a plastic casing. ET630 provides a basic access control function through the connection of a general purpose output to an electric lock. ET630 supports RS485 interface for network connectivity up to 1km.

Time Clock

ET636 is a simplified version of ET630. The features of the ET636 and ET630 are identical. The only difference is the hardware setup for the system. ET636 is directly plugged into the PC via USB cable for data polling and power supply.

Highlights of ET630

- 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
- Reader type: Built-in EM/HID/Mifare Proximity reader module
- Built-in calendar clock with on-board back-up battery
- Can integrate with third party software
- Communication interface: RS485 (ET630), USB (ET636)
- Dimensions: 135(H) x 100(W) x 32(D) mm

Product Code	Description
ET630 Time Clock	
ET-0630-002	ET630/E Time Recording Terminal, built-in with EM Reader Module
ET-0630-M02	ET630/MF Time Recording Terminal, built-in with Mifare Contactless Reader Module
ET-0630-H02	ET630/H Time Recording Terminal, built-in with HID Reader Module
ET636 Time Clock	
ET-0636-001	ET636/E (ELID Format) with Stand (USB Communication), Chronos Software, 10 EM Proximity Cards & USB Cable
ET-0636-M01	ET636/MF with Stand (USB Communication), Chronos Software, 10 Mifare Cards & USB Cable
ET-0636-H01	ET636/H with Stand (USB Communication), Chronos Software, 10 HID Proximity Cards & USB Cable



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. It allows integration with various software, making it versatile for many reasons. 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. Sample programs are provided in Delphi and Visual Basic.

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
EW-ESDK-000	E SDK Software Development Tool (DLL & GUI) for ELID Time Recording Terminal in CD only, support 64 clocks (no softkey)

Time Manager



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
EW-CNOS-000	Chronos Time Attendance Management Software in CD only, Single-shift, support 1 clock (no softkey)



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
EW-TIME-U01	E.Time Time Management Software, 100 users, single workstation, support IP Time Clock & 16 clocks
EW-TIME-U02	E.Time Time Management Software, 500 users, single workstation, support IP Time Clock & 16 clocks
EW-TIME-U03	E.Time Time Management Software, 1000 users, single workstation, support IP Time Clock & 16 clocks
EW-TIME-U04	E.Time Time Management Software, unlimited users, single workstation, support IP Time Clock & 16 clocks

Time Manager



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
EW-TIMP-001	TimePro/1 Time Attendance Software, SQL database, unlimited users, 4 workstations, support IP Time Clock & 16 clocks
EW-TIMP-002	TimePro/2 Time Attendance Software, SQL database, unlimited users, 10 workstations, support IP Time Clock & 16 clocks
EW-TIMP-003	TimePro/3 Time Attendance Software, SQL database, unlimited users, 25 workstations, support IP Time Clock & 16 clocks
EW-TIMP-004	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/Keypad



Mifare Smart Card Reader

ER928 and ER828 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.

- 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
ER828: 85(H) x 45(W) x 15(D) mm

Product Code	Description
ER928 Mifare Reader	
ER-0928-007	ER928v3 Mifare Contactless Card Reader, Beige (Wiegand 26/32 bits)
ER-0928-B07	ER928/B-v3 Mifare Contactless Card Reader, Dark Grey (Wiegand 26/32 bits)
ER828 Mifare Reader	
ER-0828-B01	ER828/B Mifare Contactless Card Reader, Black (Wiegand 26/32 bits)



HID Proximity Reader

ERH923 and ERH23L are ELID Short-range HID Proximity readers, which design to read HID cards. ERH923's 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:
ERH923: 110(H) x 44(W) x 35(D) mm
ERH23L: 120(H) x 44(W) x 20(D) mm

Product Code	Description
ERH923 HID Reader	
ER-0923-0M2	ERH923 Short Range 5 cm Proximity Reader, Beige (HID compatible)
ER-0923-0M4	ERH923/B Short Range 5 cm Proximity Reader, Dark Grey (HID compatible)
ERH23L HID Reader	
ER-0023-0M7	ERH23L Short Range Proximity Reader, Black (HID compatible)

Reader/Keypad



EM Proximity Reader

ERM923, ERM823 and ERM23 are ELID Short-range Proximity readers, compatible with all ELID access controllers. ERM923's plastic housing is designed to match with EK9S Keypad.

- 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
- ERM823: 85(H) x 45(W) x 15(D) mm
- ERM23: 120(H) x 44(W) x 20(D) mm

Product Code	Description
ERM923 EM Reader	
ER-0923-B06	ERM923/B Short Range Proximity Reader, Dark Grey (EM compatible)
ER-0923-006	ERM923 Short Range Proximity Reader, Beige (EM compatible)
ER-0923-E08	ERM923E/B Short Range Proximity Reader, Dark Grey (EM compatible, ELID Format)
ER-0923-E07	ERM923/E Short Range Proximity Reader, Beige (EM compatible, ELID Format)
ERM823 EM Reader	
ER-0823-G06	ERM823/B Short Range Proximity Reader, Black (EM compatible)
ER-0823-E07	ERM823E/LG Short Range Proximity Reader, Light Grey (EM compatible, ELID Format)
ERM23 EM Reader	
ER-0023-006	ERM23 Short Range Proximity Reader, Black (EM compatible)



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
ER-0009-001	EK9S Serial Keypad (Rubber) with 4x7 Segment Display, Beige
ER-0009-B01	EK9S/B Serial Keypad (Rubber) with 4x7 Segment Display, Dark Grey



EK848 Keypad Reader

EK848 is a compact touch sense LCD keypad with built-in EM proximity reader module. The EK848 is compatible with all ELID Access Controllers.

- Keypad type: 12-key touch sense keypad
- Display type: 128 x 32 LCD display
- Transmission frequency: 125 KHz
- Reading range: Between 3cm and 8cm
- Power supply: 12VDC
- Output format: Wiegand
- Dimensions: 100(H) x 135(W) x 30(D) mm

Product Code	Description
ER-0848-SE1	EK848R/EM Touch Sense Keypad with blue GLCD Display, built-in with EM Reader Module
ER-0848-SM1	EK848R/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
ER-0009-R01	EK9R Serial Keypad (Rubber) with 4x7 Segment Display, Beige, built-in with EM reader
ER-0009-RB1	EK9R/B Serial Keypad (Rubber) with 4x7 Segment Display, Dark Grey, built-in with EM reader



EK8R Keypad Reader

EK8R is a compact keypad with built-in EM proximity reader module. Functionally, it is the same as the EK9R, except that it has a different shape. The keypad with reader is compatible with all ELID Access Controllers.

Reader/Keypad

- Keypad type: 16-key membrane keypad
- Display type: 4x7-segment LED display
- Transmission frequency: 125 KHz
- Reading range: Between 3cm and 8cm
- Power consumption: 5V/ 270 mA
- Output format: Wiegand
- Dimensions: 115(H) x 90(W) x 30(D) mm

Product Code	Description
ER-0009-R02	EK8R/B Serial Keypad (Rubber) with 4x7 Segment Display, Black, built-in with EM reader
ER-008R-B01	EK8RX/B Extended Range Serial Keypad/Display, Black, with built-in with EM reader



ER36 Bar-Code Reader

ER36 is an Infra-red Swipe-type Bar Code reader. It will work with EL22XX or EL23XX Door Access Controllers, and read bar code cards encoded in 3-of-9 format or ELID 2-of-5 interleaved format.

ER36

ER36 is a Bar Code Reader with 12-key membrane keypad, packaged in a plastic casing together with 2 LED status display.

ER36B

ER36B is a Bar Code reader without keypad, packaged in a plastic casing together with 2 LED status display.

- Resolution: Medium (0.19 mm)
- Reading range: Reliable reading over wide speed range
- Display type: 2 LED status display
- Dimensions: 120(H) x 120(L) x 50(W) mm

Product Code	Description
ER-0036-001	ER36 Reader, Infra Red Bar Code Swipe c/w Keypad in Plastic Housing
ER-0036-002	ER36B Reader, Infra Red Bar Code Swipe w/o Keypad in Plastic Housing



ER5S Magnetic Reader

ER5S is a Swipe-type Magnetic reader, designed to work with EL22XX or EL23XX Door Access Controllers.

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
ER-0005-008	ER5S Serial Swipe Reader, Keypad & 4x7 Segment Display
ER-0005-010	ER5SB Exit Reader w/o Keypad



ER301 Fingerprint Reader

ER301 is a high performance optical fingerprint reader with built-in EM 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 reading module
- 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
ER-0301-001	ER301 Optical Fingerprint sensor; built-in EM reader
ER-0301-M01	ER301 Optical Fingerprint sensor; built-in Mifare reader
ER-0301-H01	ER301 Optical Fingerprint sensor; built-in HID reader
EA-0079-001	EA79 LAN Module



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
ET-0636-MR1	ET636/MR Mifare Reader Registration Terminal (USB Communication) c/w stand & USB cable
ET-0636-ER1	ET636/ER EM Reader Registration Terminal (USB Communication) c/w stand & USB cable
ET-0636-HR1	ET636/HR HID Reader Registration Terminal (USB Communication) c/w stand & USB cable

Communicator



EL70Y Communicator

EL70Y 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. It also has a slot for inserting software license key (dongle).

- Conversion circuitry: 1x Multi-drop or RS485 to 1 x USB interface conversion circuitry
- Software key slot: Available for inserting ELID software license key
- Dimensions: 78(H) x 125(W) x 30(D) mm

Product Code	Description
EL-US70-G02	EL70Y Communicator, Multidrop/RS485 to USB, USB Cable & Power Supply Adapter in Metal Housing



EL70T Communicator

EL70T is a single-bus Multi-drop to RS232 interface converter, allowing PC to be linked to 16 controllers with maximum distance of 1 KM. The unit has no slot for inserting software key (dongle), and so cannot be used where the software requires validation.

- Conversion circuitry: 1x Multi-drop to 1 x RS232 interface conversion circuitry
- Software key slot: None
- Dimensions: 125(H) x 113(W) x 50(D) mm

Product Code	Description
EL-0070-004	EL70T Communicator, Multidrop to RS232, Serial c/w 0.5A Transformer, 5.5ft AC Cable & Serial Cable in Metal Housing



EL70W Communicator

EL70W is a single bus RS485 to USB interface communicator, allowing PC to be linked to 16 controllers with maximum distance of 1KM. The software can be programmed into the EL70W, which means it does not require a communicator with built-in software key slot like EL70Y.

- Conversion circuitry: 1x RS485 to 1 x USB interface conversion circuitry
- Software (EastWin, E.WIN, WinPro, E.Time and TimePro) programmed into the EL70W
- Dimensions: 30(H) x 69(W) x 55(D)mm

Product Code	Description
EL-070W-001	EL70W Communicator, RS485 to USB, Built-in with Softkey II, USB Cable in Plastic Housing (Software to be programmed)



EL78A LAN Terminal Server

EL78A is a mediating communication device between PC and ELID controllers for a small scale networked configuration on an Ethernet local area network. The communicator converts TCP/IP to Multi-drop/RS422/RS232 signals or vice versa.

- Conversion circuitry: 1x Multidrop/RS422/RS232 to 1 x TCP/IP interface conversion circuitry
- Software Key slot: None

Product Code	Description
EL-0078-002	EL78A LAN Terminal Server, Multidrop/RS422/RS232 to TCP/IP, 9 to 9 Serial Cable & Adapter in Metal Housing



EA52 Converter

EA52 is designed to convert Multi-drop signals to RS232/RS422 communication signals.

Product Code	Description
EA-0052-001	EA52 Converter, Multi-drop to RS232/RS422 (or vice versa), in Metal Housing



EA48 Converter

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

Product Code	Description
EA-0048-001	EA48 Converter, Wiegand to RS232/RS422, Power Supply Adaptor, Power Cord & Serial Cable in Metal Housing

Card



Magnetic Card

Product Code	Description
EC-0001-100	Hico Magnetic Card, Blank Card, Plain White (No PIN provided)
EC-0002-10U	Hico Magnetic Card, ELID Logo, User



HID Card

Product Code	Description
EC-0021-02U	Proximity Cards II 1326, Thick Card, ELID Format, Plain White
EC-0021-01U	Proximity Cards II 1326, Thick Card, 26-bit Wiegand Format, Plain White
EC-0024-00U	ISOProx II 1386, Credit Card Size (Thin), User (Vinyl), 26-bit Wiegand Format
EC-0024-02U	ISOProx II 1386, Credit Card Size (Thin), User (Vinyl), ELID Format
EC-1351-002	Prox Pass II Active Tag (Batteries replaceable)



EM Card

Product Code	Description
EC-0021-E02	Proximity Cards (EM compatible, ELID Format), Thick Card, Plain White (FWIE Number Printed)
EC-0024-E02	Proximity Cards (EM compatible, ELID Format), Thin Card, Plain White (FWIE Number Printed)



Mifare Card

Product Code	Description
EC-0008-4L1	Mifare Contactless Smart Card, Free WIE (EMS Format), Plain White
EC-0008-HL1	Mifare Contactless Smart Card (1K), Plain White (Note: Card number is non-sequential number)

Power Supply



EP23S Power Supply

This is a 12V/2.5A switching power supply in metal casing, with separate charger output for charging lead acid battery.

Product Code	Description
EP-0023-003	EP23S Power Supply, 12V/2.5A Switching c/w PS2 (w/o Metal Housing)



EP44S Power Supply

This is a 13.5V/4.4A switching power supply adapter, come with PS2 low battery cut-off circuit board.

Product Code	Description
EG-PSA6-002	EP44S Power Supply Adapter, 13.5V/4.4A c/w PS2, Desk-top Style



EP33 Power Supply

This is a 12V/3A linear power supply in metal casing, with separate charger output for charging lead acid battery. The EP33 is further provided with low-volt cut-off relay which will disconnect battery from equipment when voltage falls below a specified value.

Product Code	Description
EP-0033-001	EP33 Charger, 12V/3.0A with Low Volt Cut-off c/w 3A Transformer in Metal Housing - 256(H)x-285(W)x74(D) mm

Accessories



Metal Casing

Product Code	Description
CS1056X	Metal Casing for EL1335/Power Supply Unit Dimensions: 256(H)x285(W)x74(D) mm
CS-1127X	Metal Casing for EL1375/EL2305/EL2306 Dimensions: 302(H)x334(W)x86(D) mm
CS1098X	Metal Casing for EL2205/ER5xx Dimensions: 381(H)x330(W)x91(D) mm
CS1099X	Metal Casing for EL5xxx Dimensions: 415(H)x405(W)x121(D) mm



EA5A Buffer

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

Product Code	Description
EA-0005-001	EA5A Buffer (w/o Metal Housing)



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
EA-0022-001	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
EA-0055-R01	EA55R Extended Range Serial Keypad/Reader Module (reader side)
EA-0055-C01	EA55C Extended Range Serial Keypad/Reader Module (controller side)



EA8 Relay Interface Unit

EA8 is a relay interface unit which consists of 6 outputs and 2 inputs.

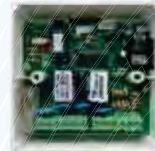
Product Code	Description
EA-0008-001	EA8 Relay Interface Unit (w/o Metal Housing)



EA481 Surge Protector

EA481 is a RS485 Surge Protector for ELID Access Controller

Product Code	Description
EA-0481-001	EA481 RS485 Surge Protector (Board only)

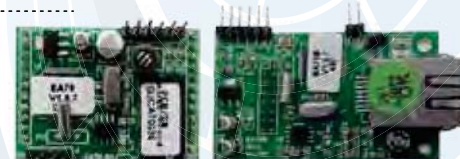


EZ5 Remote Relay

EZ5 is a remote relay board for added security to ELID controllers (EL363 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
ED-Z005-M01	EZ5 Remote Relay Plastic Housing



ELID LAN Module

The ELID LAN Module is designed to provide TCP/IP communication capability for ELID controllers. There are 2 groups of LAN Modules that share the following features:

EA79 and EA79B are 10Mbps LAN modules, ideal for standard routers. EA79X and EA79XB are 100 base-T (USR-TCP232-D) LAN Modules, designed for high-end routers.

Product Code	Description
EA-0079-001	EA79 LAN Module Only (EL2301 / Nova EL2311 / EL3000S / ER301 / ET1200S / ET1300S)
EA-0079-002	EA79B LAN Module with built in RJ45 socket (EL1335/EL1375/EL2305/EL2306)
EA-TCPM-G04	EA79X LAN Module Only (EL2301 / Nova EL2311 / EL3000S / ER301 / ET1200S / ET1300S)
EA-TCPM-G04AA	EA79XB LAN Module with built in RJ45 socket (EL1335/EL1375/EL2305/EL2306)



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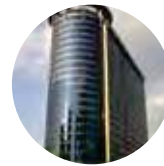
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