Accessories

Ethernet Converter

ILAN422/ILAN485

- ILAN422
  - Ethernet : 10/100 Base-T, Half/Full Duplex
  - Serial : RS232/RS422
  - Baud Rate : 1200bps ~ 230.4kbps

- ILAN485
  - Ethernet : 10/100 Base-T, Half/Full Duplex
  - Serial : RS232/RS485
  - Baud Rate : 1200bps ~ 230.4kbps
  - Dimension : 81 x 103 x 30mm

Serial Converter

INC300/INC400

- Operates without Additional Power Supply / Transmission Data Line Automatic Control
- INC300 : Converts RS485 Signal to RS232 Signal
- INC400 : Converts RS422 Signal to RS232 Signal
- Type A : Connection Cable Included / Type B : Connection Cable Not Included
- Dimension : 68W x 17H x 33Dmm

Type A   Type B

Wireless LAN

IWLAN132

- IEEE802.11 b/g Standard Regulation Size
- WEP 64 Bit/128 Bit Data Encryption, AES, WPA2
- Network Mode : Infrastructure, Ad-Hoc LAN (for Configuration / Ethernet Hub)
- Ports : RS232/RS422/RS485 Port 1 EA, Male DB9, Selectable via Software
- Power : DC12V

Wiegand Repeater

WIEGAND REPEATER

- Wiegand Data Repeater

- WIK Repeater TX, RX Terminal Connection
  - TX Terminal : Connect to RF Reader
  - RX Terminal : Connect to Controller
- Power : DC12V / 30mA   • Dimension : 65W x 25H x 46Dmm

Wiegand Converter

WIEGAND CONVERTER

- Reader Output Data Converter
  - Input Data Format : Wiegand, ABA Track II, RS232
  - Output Data Format : Wiegand, ABA Track II, RS232
- Power : DC12V / 30mA   • Dimension : 55W x 15H x 55Dmm

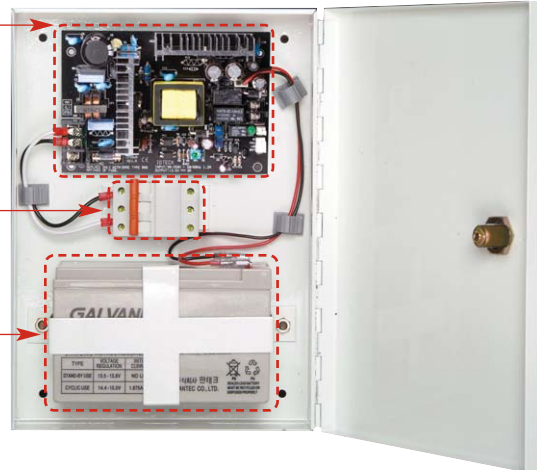# Accessories

Power Pack

ID40WA

- AC90 ~ 240V (50/60Hz) Input
- DC13V, 3.0A Output
- FCC Class B

NFB Switch

- AC100~240V, 30A

Backup Battery

- Provides additional 2~6 hour operation after the primary power supply fails. (DC 12V/7A)

Key Features

- Designed to provide complete power supply configuration for access control system
- Power source changes/recovers automatically AC to DC or DC to AC during the power failure
- Over voltage and current protection
- Built-in battery recharge circuit
- Alarm signal for AC power failure
- Alarm signal for low battery voltage

Power Adaptor

IPA 100

- AC110V~220V, Output DC 12V/1A
- Suitable for 505R, 100R and RFL200

Fingerprint Scanner

FINGER PRO

- Used to register fingerprints in connection with STARWATCH FINGERPRINT ENROLLMENT PRO S/W
- Precise authentication through the distinct algorithm and recognition ratio
- Durable, slim-designed and convenient fingerprint scanner
- Provides USB Interface

Communication Cable for Up/Downloading Fingerprint

RS232 Stereo Jack

- Used to up/download fingerprints to/from fingerprint readers (FGR006, IP-FGR006, FGR006SR) in connection with laptop

Electro magnetic(EM) Lock Series

IEM180 | Single Door Magnetic Lock

- Holding Force : 180 Kg (400LBS)
- Current Draw : DC12V/300mA, DC24V/150mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 170W x 35H x 21D (mm)

IEM180D | Double Door Magnetic Lock

- Holding Force : 180 Kg (400LBS)
- Current Draw : DC12V/300mA, DC24V/150mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 340W x 35H x 21D (mm)

IEM280 | Single Door Magnetic Lock

- Holding Force : 280 Kg (600LBS)
- Current Draw : DC12V/480mA, DC24V/240mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 250W x 42H x 25D (mm)

IEM280D | Double Door Magnetic Lock

- Holding Force : 280 Kg (600LBS)
- Current Draw : DC12V/480mA, DC24V/240mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 500W x 42H x 25D (mm)

IEM280(LED) | Single Door Magnetic Lock with LED

- Built-In Door Contact
- Holding Force : 280 Kg (600LBS)
- Current Draw : DC12V/480mA, DC24V/240mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 250W x 42H x 25D (mm)

Accessories

IEM280D(LED) | Double Door Magnetic Lock with LED

- Built-In Door Contact
- Holding Force : 280 Kg (600LBS)
- Current Draw : DC12V/480mA, DC24V/240mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 500W x 42H x 25D (mm)

IEM280M | Single Door Magnetic Lock with Mortise Mount

- Holding Force : 280 Kg (600LBS)
- Current Draw : DC12V/480mA, DC24V/240mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 230W x 38H x 26D (mm)

IEM500(LED) | Single Door Magnetic Lock with LED

- Built-In Door Contact
- Holding Force : 500 Kg (1,100LBS)
- Current Draw : DC12V/420mA, DC24V/210mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 266W x 67H x 39D (mm)

IEM500D(LED) | Double Door Magnetic Lock with LED

- Built-In Door Contact
- Holding Force : 500 Kg (1,100LBS)
- Current Draw : DC12V/420mA, DC24V/210mA
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 532W x 67H x 39D (mm)

Electro magnetic(EM) Lock Brackets

IBK180UL | U Bracket for Frameless Glass Door

- Glass Thickness : 8 ~ 15mm
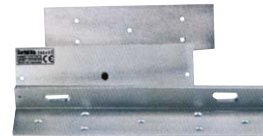- Suitable for Glass Door
- Compatible Lock : IEM180, IEM180D

IBK280UL | U Bracket for Frameless Glass Door

- Glass Thickness : 8 ~ 15mm
- Suitable for Glass Door
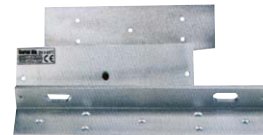- Compatible Lock : IEM280 (LED), IEM280D(LED)

IBK180ZL | ZL Bracket for Inward Door

- Suitable for Wooden Door / Metal Door
- Compatible Lock : IEM180, IEM180D

IBK280ZL | ZL Bracket for Inward Door

- Suitable for Wooden Door / Metal Door
- Compatible Lock : IEM280 (LED), IEM280D(LED)

Amateur Holder | Metal Plate for Magnetic Door Lock

- EM Lock Metal Plate for Outward Swing Door
- Dimension : 200W x 55H x 15D (mm)
- Weight : 0.2 Kg (0.44LBS)

Electric Strike Lock Series

IES130NO/130NC | Standard Electric Strike Lock

- Holding Force : 300 Kg (660LBS)
- Current Draw : DC12V/450mA (IES130NO), DC12V/200mA (IES130NC)
- Suitable for Wooden Door / Metal Door
- Fail Secure : IES130NO
- Fail Safe : IES130NC
- Dimension : 150W x 39.5H x 28D (mm)

Accessories

Electric Strike Lock Series

IES131NO/131NC | Short-type Electric Strike Lock

- Holding Force : 300Kg (660LBS)
- Current Draw : DC12V/450mA (IES131NO), DC12V/200mA (IES131NC)
- Suitable for Wooden Door / Metal Door
- Fail Secure : IES131NO
- Fail Safe : IES131NC
- Dimension : 160W x 25H x 28D (mm)

IES132NO/132NC | Long-type Electric Strike Lock

- Holding Force : 300Kg (660LBS)
- Current Draw : DC12V/450mA (IES132NO), DC12V/200mA (IES132NC)
- Suitable for Wooden Door / Metal Door
- Fail Secure : IES132NO
- Fail Safe : IES132NC
- Dimension : 250W x 25H x 28D (mm)

IES133NC | Fail Safe Electric Strike Lock Suitable for Glass Door

- Holding Force : 150Kg (330LBS)
- Glass Thickness : 8 ~ 12mm
- Current Draw : DC12V/200mA
- Dimension : 160W x 25H x 28D (mm)

EDM105NO/103NC | Standard Electric Strike Lock with Door Monitoring Latch

- Suitable for Wooden Door / Metal Door
- Holding Force : 300Kg (660LBS)
- Fail Secure : EDM105NO / Fail Safe : EDM103NC
- Current Draw : DC12V/120mA
- Dimension : 150W x 39.5H x 28D (mm)

IS138NO/138NC | ANSI Standard Heavy Duty Electric Strike Lock

- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Fail Secure : IS138NO / Fail Safe : IS138NC
- Current Draw : DC12V/250mA
- Holding Force : 800Kg (1,700LBS)
- Dimension : 124W x 33H x 32D (mm)

IS138NOL/138NCL | Long Type ANSI Standard Heavy Duty Electric Strike Lock with Door Monitoring Latch

- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Fail Secure : IS138NOL / Fail Safe : IS138NCL
- Current Draw : DC12V/120mA
- Holding Force : 800Kg (1,700LBS)
- Dimension : 165W x 33H x 32D (mm)

Electric Strike Lock Series

IES900NO/IES900NC | Heavy Duty Electric Strike with Door monitoring Latch

- Holding Force : 900Kg (200LBS)
- Current Draw : DC 12V /500mA or DV24V/300mA
- Suitable for Wooden Door / Fire Proof Door
- Fail Secure : IES900NO
- Fail Safe : IES900NC
- Dimension : 240W x 30H x 32D(mm)

Electric Dead Bolt(Drop Bolt) Lock Series

IEB100 | Fail Safe Electric Bolt Lock with Magnetic Feature

- Built-In Door Contact
- Holding Force :800Kg (1,700LBS)
- Current Draw : DC12V/900mA (Start), 80mA (Standby)
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Dimension : 205W x 35H x 40D (mm)

IEB200 | Fail Safe Electric Bolt Lock with Magnetic Feature (Monitoring LED)

- Built-In Door Contact
- Holding Force :800Kg (1,700LBS)
- Current Draw : DC12V/900mA (Start), 150mA (Standby)
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Operation Time Configurable : 0 / 3 / 6 / 9 sec.
- Dimension : 205W x 35H x 40D (mm)

IEB300 | Fail Safe Electric Bolt Lock with Magnetic Feature

- Built-In Door Contact
- Holding Force :800Kg (1,700LBS)
- Current Draw : DC12V/900mA (Start), 150mA (Standby)
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Operation Time Configurable : 0 / 3 / 6 / 9 sec.
- Dimension : 205W x 35H x 40D (mm)

IEB400 | Fail Safe Electric Bolt Lock for Autometic Door

- Built-In Door Contact
- Holding Force : 800Kg (1,700LBS)
- Current Draw : DC12V/800mA (Start), 300mA (Standby)
- Suitable for Automatic Door
- Operation Time Configurable : 0 / 3 / 6 / 9 sec.
- Dimension : 205W x 35H x 40D (mm)

Accessories

Electric Dead Bolt(Drop Bolt) Lock Series

IEB500 | Fail Safe Electric Bolt Lock with Adjustable Ball Feature

- Built-In Door Contact
- Holding Force : 800Kg (1,700LBS)
- Current Draw : DC12V/900mA (Start), 100mA (Standby)
- Suitable for Wooden Door / Glass Door / Metal Door / Fire Proof Door
- Operation Time Configurable : 0 / 3 / 6 / 9 sec.
- Dimension : 205W x 35H x 40D (mm)

Electric Dead Bolt(Drop Bolt) Brackets

IBK600 | Stainless Steel Bracket for Frameless Glass Door

- Glass Thickness : 8 ~ 15mm
- Suitable for Swing Door with Dead Bolt Lock
- Compatible Lock : IEB-100/200/300/400/500
- Dimension : 95W x 49H x 39D (mm)

IBK700 | Stainless Steel Bracket for Frameless Glass Door

- Glass Thickness : 8 ~ 15mm
- Suitable for Swing Door with Dead Bolt Lock
- Compatible Lock : IEB-100/200/300/400/500
- Dimension : 205W x 58H x 46D (mm)

Electric Hinge

EH9 | Cased Electric Hinge

- Installed between Door Frame and Door to Prevent Cable Damage from Door Activity. It also Prevents Unlawful Attempts of Cutting or Damaging the Cable. (Hidden Design)
- Cable : 22AWG UL 1007 Heatproof PVC Cable
- Cable Length : 1,500mm (9 PIN Connector)
- Material : Stainless Steel
- Dimension : 25W x 160H x 42D (mm)

EH10 | Exposed Electric Hinge

- Installed between Door Frame and Door to Prevent Cable Damage from Door Activity. It also Prevents Unlawful Attempts of Cutting or Damaging the Cable. (Exposed Design)
- Cable Length : 400mm / Material : Stainless Steel
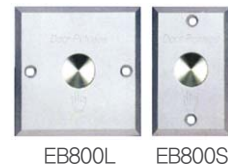- Dimension : 11mm (External Diameter), 8.3mm (Internal Diameter)

Exit Button

EB20/EB10

- Used as a Exit Button Connected to Access Controller
- Installed on the Exiting Side of the Door and Operates without Additional Power Supply
- Type : NO (Normal Open) / NC (Normal Close)
- Material : Stainless Steel
- Dimension - EB10 : 43W x 98H x 45D (mm)
  - EB20 : 38W x 80H x 38D (mm)

EB10   EB20

EB800L/EB800S

- Used as a Exit Button Connected to Access Controller
- Installed on the Exiting Side of the Door and Operates without Additional Power Supply
- Type : NO (Normal Open) / NC (Normal Close)
- Material : Stainless Steel
- Dimension - EB800L : 86W x 86H (mm)
  - EB800S : 50W x 80H (mm)

EB800L   EB800S

EB01

- Used as a Exit Button Connected to Access Controller
- Installed on the Exiting Side of the Door and Operates without Additional Power Supply
- Type : NO (Normal Open) / NC (Normal Close)
- Material : PVC
- Dimension : 37W x 124H x 33D (mm)

PUSH

Guard Tour Checking System Touch Checker

TC-200

- Suitable System for Areas where Designated Person Must Personally Check at Designated Time
- Effective Management and Monitoring of Patrol, Security Guard and Patrol Check Points
- Vibration Mode Available for Noisy Work Environment (Optional)
- User Convenient USB Interface / Waterproof
- Long Lasting and Rapid Recharging Battery
- Stores up to 10,922 Events of Patrol Data (Expandable up to 21,845 Events with Memory Expansion)

--- TC-200 Touch Checker Full Kit ---

Checking Machine (TCR-200/1ea)

Data Transmitter & Charger (TCB-200/1ea)

Leather Carrying Case (TCL-200/1ea)

Serial/USB Cable (TCC-200/1ea)

Power Adaptor (TCA-200/1ea)

Operating Software (TCS-200/1ea)

Checkpoint Chip (i-Button) (TCP-200/20ea)

Bracket for TCP-200 (TCK-200/20ea)

Accessories

EKS5 | Emergency Key Switch

- Emergency Key Switch for Overriding Access Control, in Case the Door does not Open during the Emergency.
- Installed on the External Side of the Door
- Type : NO (Normal Open) / NC (Normal Close)
- Material : Stainless Steel

EBG02 | Break Glass Fire Emergency Exit Release

- Break Glass Fire Emergency Exit Release for Overriding Access Control to Activate the Siren and Alarm during the Emergency
- Color : Green, Orange, Red, White
- Dimension : 86W x 86H (mm)

DCT100 | Door Contact

- Door Contact Sensor for Monitoring Open/Close Status of Door
- Standard Surface Contact (N/C, N/O Loop)
- Operating Distance : 3/4" (0~2cm)
- Ferrite Magnet Type

Card Holder

- Selectable According to Card Size
  - ISO Type : IDC80 / IPC80
  - Clamshell Type : IDC170 / IPC170
- Available in Horizontal and Vertical Type
- Dimension - Horizontal : 86W x 56H (mm)
  - Vertical : 54W x 86H (mm)

PIR100 | PIR Sensor

- Infrared Heat Sensor
- Installed on the Exiting Side of the Door to Open the Door Automatically when user Approached the Door.
- Sensor Type : Infrared (Radiant Heat)
- Sensor Range :
  - Solid : 11m x 10m   - Plane : 16m x 1.3m
- Height : 1.5m ~ 2.5m
- Alarm Output : NC / NO (Selectable)
- Interface Capacity : DC28V / Max. 0.1A
- Input Voltage : DC9.5V ~ 18V
- Current : 18mA (DC12V)
- Operating Temperature : -10° ~ +50°C (+14°F ~ +122°F)