X-Guard
Cabinet Security Solutions

Model X-Guard series
X-GF series (Finger print)
X-GC series (RFID card)

X-GC-A   X-GF   X-GC-B

Introducion:

X-Guard by KEPBER -Designed specifically for data centers, Cabinet Security Solutions offer extremely affordable and highly scalable micro-security and dynamic monitoring solutions that are more advanced than any other cabinet security system available today.
Built on an open platform, X-Guard solutions easily integrate with existing applications, networks and protocols to provide a cost-effective way to protect and manage a vast range of physical IT asseterver rack access control systems are ideal for data centers and high security server rooms. In addition to security. Access into the premises, you can secure access for individual server racks. Monitor who has accessed the server racks. These special server locks can be linked to a fingerprint and RFID, to provide additional security. Useful for audit purposes and audit trails. Devices can be networked to give real time access to the server rack systems.

How does it work ?

X-Guard intelligent access control cabinet lock is the newest patented product of our company, based on the normal cabinet lock, reading card cabinet lock to develop this intelligent cabinet lock.

It integrates the card reader, access controller with the cabinet lock, make it all in one, easy to install and test, it also has the special security specification of the proximity card technology and RS485/422 network communicating to make the In & out control management system. It has network security and monitor function, usually used in the IDC cabinet, NONE People on duty integration base station, database room etc. area that required monitoring function.

It uses electronic intelligent to control, finger print, proximity smart card to open lock, with multi functions, safety and reliable. The special function is: multiple functions, high integration, easy to install, good waterproof grade, easy to update, having keys and manual to open is available, Grade III lighting protection, SMT technologies etc

Features

1. Electronic Enclosure Locks that can be administered remotely so that appropriate permissions can be mapped between the right people and the right systems using enterprise security policy and/or ad hoc administration.
2. Proximity card authentication that makes it easy for authorized personnel to quickly gain access to enclosures for which they are authorized.
3. In-rack cameras that capture live video and photos automatically tagged with relevant data (time, date, user ID, system data, actions, etc.) for audit documentation and forensics.
4. Integration with DCIM and/or other access and building control systems to facilitate single point-of-control and easy consolidation of all security/compliance-related audit trails.
5. Encryption and detection safeguards to ensure the integrity of rack-level security protections and audit systems.
6. Real-time alerting/alarming that notifies appropriate parties of events requiring immediate attention

Materail

1. Material: hand shank, base and base plate are zinc alloy.
2. Color: Black.
3. IP 65 standard forwater proof.
4. European standard cylinder.
5. Working environment : -10~50℃, 20~90% (With no icing or condensation)

Line standard:
—— UTP/STP Line
—— DC12V
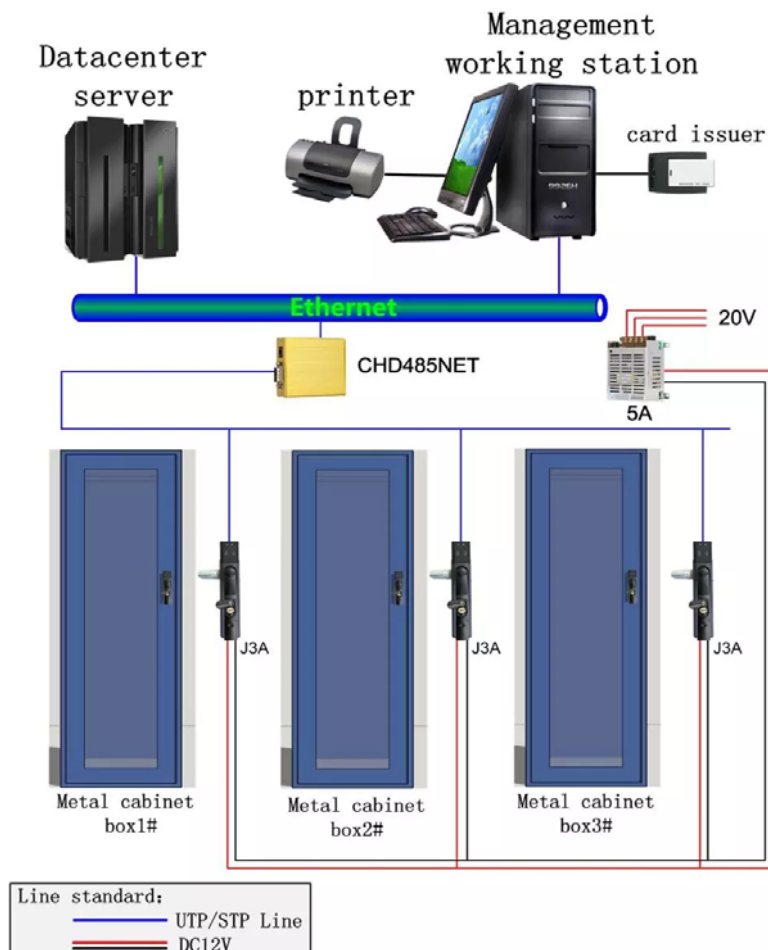
System overview

• The RFID or Keypad reader is embedded on the electronic lock.
• The electronic lock can continue granting or denying access even if the communication between the lock and the controllers is down.
• The electronic lock has internal memory saving all latest events and alerts.
• Simply add modules (locks, readers or converters and controllers) as your networks grows.
• A single Ethernet – Network connection provides access to up to 15 Racks and controls access to them.
• Up to 100 Controllers can be linked together
• Real time door status monitoring to the cabinet rack through door sensors.
• Operating Voltage is 12 VDC and the communication protocol is RS485 based making the expandability easier.

System working

1. Lock open method : Electric control to open and manual to open, power on to open lock, power off to be locked;
2. Working status : legal to open, green light blink once, illegal to open, red light blinks;
3. Communicate Interface : RS485, 9600 bit/s (default) /wiegand 26 communication;
4. Working Voltage : 12 VDC ±5%;
5. Input Voltage Range : 10.8 VDC - 13.2V DC;
6. Working Current : When static standby less than 250 mA (with control key opener),
              Dynamic electronically unopen lock (or start key control apparatus) is less than 500 mA
7. Minimum Current : 3000 mA/12 VDC when input;

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X-Guard model X-GC-A

- The RFID is embedded on the electronic lock.
- Dimension (LxWXH) : 230 X 41 X 67 mm ±5%
- Weight : 1.1Kg ±5%
- Support Card Type : HID, I Class Card, iCLASS Standard/SE/SR/Seos; MIFARE CLASSIC, MIFARE DESFire EV1, ID/IC Card.
- Access Control Authorized : max 640pcs ID card
- Events Records : max 1088pcs (extended is available), if more than 1088pcs records the newest record will replace the oldest record; (records in the unit)
- Communicate Interface : Wiegand 26
- RF working frequency : 125KHZ±5% or 13.56 MHZ (option).
- Immunity index: ESD : Contact discharge ±6KV air discharge ±8kV.
- Swiping card distance : 40-80 mm.
- Reading card methods : Reading EM or IC card serial Number methods.
- Lock open method : Electric control to open and manual to open, power on to open lock, power off to be locked
- Cabinet locks Lock : Default as 4s, after 4s then the lock will automatically be locked.
- Door open method : Card or Remote control or Mechanical keys.

X-Guard model X-GC-B

- The RFID is embedded on the electronic lock.
- Dimension (LxWXH) : 230 X 41 X 67 mm ±5%
- Weight : 1.1Kg ±5%
- Support Card Type : HID, I Class Card, iCLASS Standard/SE/SR/Seos; MIFARE CLASSIC, MIFARE DESFire EV1, ID/IC Card.
- Access Control Authorized : max 640pcs ID card
- Events Records : max 1088pcs (extended is available), if more than 1088pcs records the newest record will replace the oldest record; (records in the unit)
- Communicate Interface : Wiegand 26
- RF working frequency : 125KHZ±5% or 13.56 MHZ (option).
- Immunity index: ESD : Contact discharge ±6KV air discharge ±8kV.
- Swiping card distance : 40-80 mm.
- Reading card methods : Reading EM or IC card serial Number methods.
- Lock open method : Electric control to open and manual to open, power on to open lock, power off to be locked
- Cabinet locks Lock : Default as 4s, after 4s then the lock will automatically be locked.
- Door open method : Card or Remote control or Mechanical keys.

X-Guard model X-GF , model GFC (fingerprint with card)

- The Finger print is embedded on the electronic lock.
- Dimension (LxWXH) : 230 X 41 X 67 mm ±5%
- Weight : 0.80Kg±5%
- Fingerprint Capacity : 1700 ,each with " use of the validity limit "
- Authorized users : Up to 1700, support a single fingerprint open the door, each can set up three fingerpri
- Fingerprint recognition time : 1:N match time less than 0.8S(1700full registration); 1:1 ID+fingerprint/swipe card+fingerprint, recognition time is less than 0.8S
- Reject the correct rate : 0.005%(security level is 3)
- Identify the error rate : 0.001%(security level is 3)
- Communicate Interface : Wiegand 26.
- Lock open method : Electric control to open and manual to open, power on to open lock, power off to be locked
- Cabinet locks Lock : Default as 4s, after 4s then the lock will automatically be locked.
- Door open method : Finger print or Remote control or Mechanical keys
- RF working frequency : 125KHZ±5% or 13.56 MHZ (option) for model GFC
- Support Card Type : HID, I Class Card, iCLASS Standard/SE/SR/Seos; MIFARE CLASSIC, MIFARE DESFire EV1, ID/IC Card for model GFC