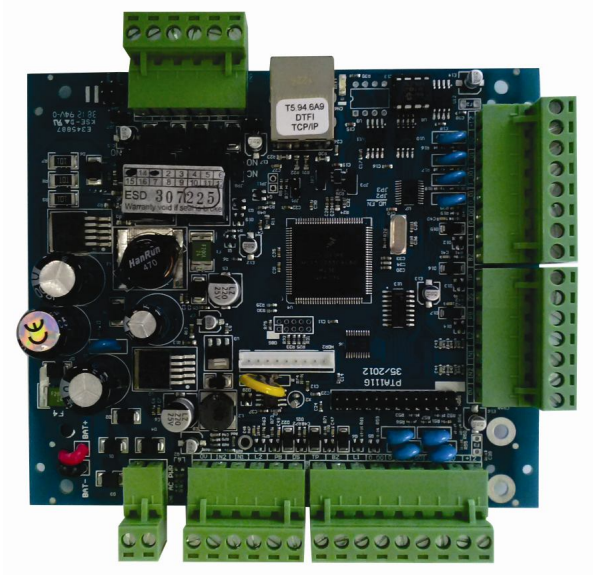

DESCRIPTION

The native VAULT SBOX controller series was designed to make the access control systems truly simple and accessible. The result of the sturdiness and stability of the VAULT SBOX controllers, the VAULT SBOX preserves the main and most important functions of the line.
It was developed to bring the highest technology, in an accessible manner, to the small scale project market. Resources from large systems are now a reality in the SMB market.
Always thinking about the idea of making viable the best cost benefit in security investments, the VAULT SBOX controllers were projected to continue guaranteeing important savings in infrastructure and installation.
Each VAULT SBOX controller, in the conventional version or the PoE version, is able to control up to two doors (available only for door control).

BENEFITS

Incorporated energy fonts:
The VAULT SBOX controller has an integrated power font circuit with a backup battery charger.

Autonomy:
The controller is therefore able to charge all devices connected to it, from locks to readers, and up to the exit maximum nominal current of 2A @ 12 VCC. (PoE Version: 1,75A @ 12VCC)

PoE charge system option:
The **VAULT SBOX** POE controller is the only PoE controller in the world capable to charge directly 4 readers and 2 locks, without the need for an auxiliary charge font, and it also has a battery charger already incorporated; (utilizing a switch or Hi PoE – 30W injector)*.

Power monitoring:
AC/DC power monitoring, warning the software operator in case of any problem. This function dismisses the installation of a specific CA power backbone for the access control.

Peer to Peer technology:
The controllers are P2P network devices. This enables the controllers to talk amongst themselves and therefore, enables savings in installation when integrated to fire systems, for example.
Among several other advantages, the P2P technology enables the controller to be capable to communicate with other controllers in the same network, even if the server is off-line, not depending on communication with the server to guarantee correct functioning of the Global Anti-Passback.

Native TCP/IP:
Are controllers with native IPs, that is, the data communication speed is immensely faster and more reliable than in a traditional serial system.

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CHARACTERISTICS

Adjustable Band Width
Data transmission in high speed with low band consumption (Push technology), guarantees information in real time for the users;

Installation Flexibility
Ideal to be used within the infrastructure of the existing network;

Client x Server Environment
Communication between application server and controllers occurs only when there is a new event to be sent (Push technology);

Point-to-Point Communication
The controllers communicate amongst themselves without the need for the server to be on-line (Native TCP / IP);

Patented Algorithm
Guarantees the search for a valid card/non valid card in less than 1 second;

Safe Technology
- Proprietor protocol guarantees data transmission inviolability;
- Encrypted AES-128 bits; (optional)
- SCAIIP-L-CF stores the cards, access levels, holidays and other permissions on the controller's off-line memory, avoiding to work with White/Black lists, making the operations much safer and reliable;
- Automatic card cancellation via hardware;
- Font integrated to the controller, with integrated battery charger, provides stable functioning even in case of power failure;
- Easiness in the architecture of positioning the controllers and its relays in a safe area.

High off-line capacity
Each controller stores in its local data base 30,000 users and 30,000 events on the non volatile memory buffer.

CF SPECIFICATIONS

- CPU: ColdFire 32 bits, 60 Mhz;
- Memory: EEPROM and Flash;
- Card capacity: 30,000;
- Event capacity on memory buffer: 30,000;
- Input /Output: 12 in / 2 out (according to model);
- Exit tamper;
- Readers: 2 (int/ext) for simple doors, or 4 (2 int/2 ext) for 2 doors;
- Compatible card protocols: Wiegand Standard, 26, 34, 35, 42 bits or other personalized formats;
- Network protocols: TCP / IP, ARP, WEB;
- Time configurations: 50, with 3 daily intervals;
- Time zones: 99;
- Access levels: 255;
- Holidays: 50;
- Power font requirement: 14,5 VCA;
- Battery charger: 7AH / 12 VCC;
- Communication: TCP / IP 10/100 Mbps;
- Output Potency: Electronic font set to 12 VCC for readers, locks and other devices);
- Board dimensions: 137 mm x 117 mm;
- Operating temperature ; 0 to 60 º C;
- Humidity: 0 ~ 95% without condensation;
- Encrypted: AES-128. (Optional)

VAULT SBOX POE SPECIFICATIONS

- The specifications are the same as for the SCAIIP-L-CF, however:
- Power font requirement: Hi PoE (to control 2 doors) or PoE (to control 1 door);
- Output Potency: 12 VCC, 1,75 A (for readers, locks or other devices);
- Available only for the 2 door version.

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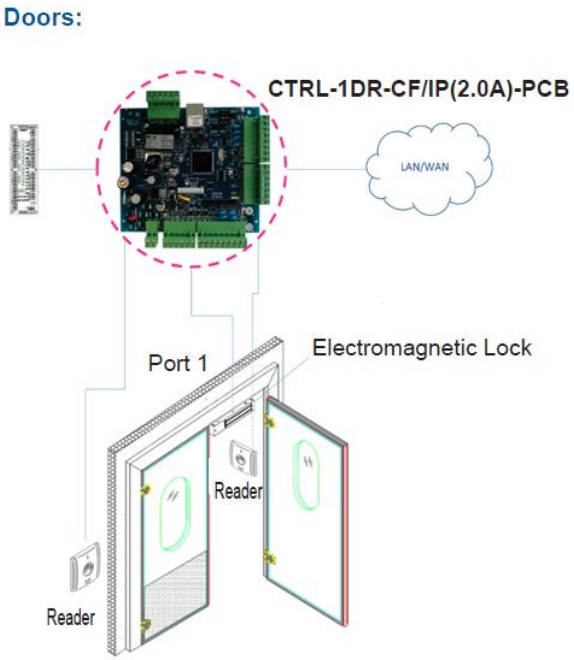
EXAMPLES OF VAULT SBOX APPLICATION



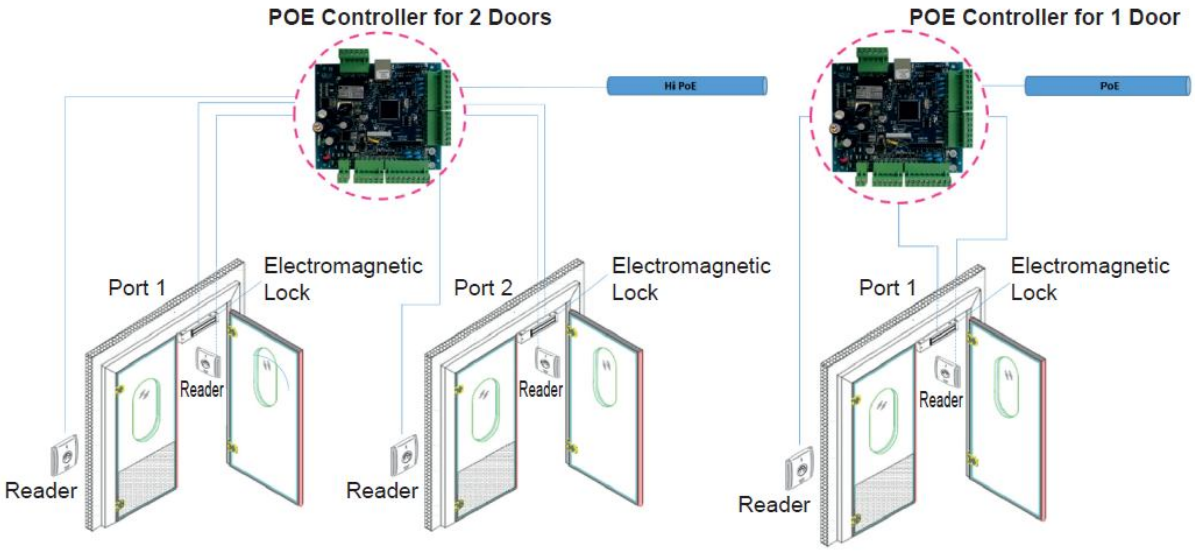
EXAMPLES OF VAULT SBOX POE APPLICATIONS

PoE IN 2 DOORS

Utilizing a 30W Hi PoE Switch, the SCAIIP-CF-POE system is able to feed Power for 2 electromagnetic locks, 4 proximity readers and to charge the battery. Maximum benefit with simple implementation. Does not need an auxiliary font.

PoE IN 1 DOOR

When utilizing the15.4W PoE system, it is possible to feed a door's complete system. (readers and lock) A simple, fast, and economical installation is guaranteed.



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FLEXIBLE ARCHITECTURE

Up to 24 IP cameras

SBOX

Total WEB Control

Up to 5 controllers – 10 doors

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