

## Technical Specifications

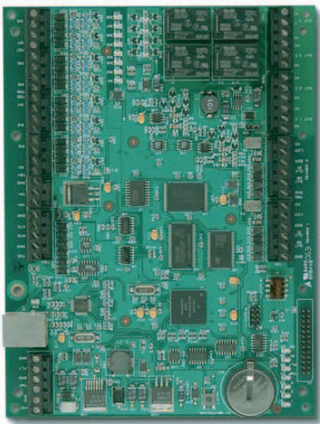
### Ethernet Security System Processor (ESSP)

The field device provide access control, intrusion detection and facility control. The ability to handle up to 32 field devices means the ESSP provides a scalable system that can grow with the customer requirements.

The ESSP stores all data required for making access control decisions for 48,000 cardholders. It continues to make these decisions even when communications has been disrupted with the host computer.

The ESSP supports communications to the host over industry standard TCP or RS-485 connections.

Four (4) onboard field bus ports accomplish communications to the field devices using the industry standard RS-485 communications.



The Access Platform ESSP is the intelligent cornerstone of an access system, providing its first two reader capabilities and capacity to expand to up to 64 doors. Reliability distributing intelligence, the ESSP ensures that activities generated by select devices can be related to other devices for continued actions without host intervention.

### Technical Specifications

**Primary Power**

12-24 Vdc +/- 10% 500mA maximum

**Serial Ports:**

Primary 10/100 Ethernet

Port 1:RS-232

Port 2:RS-485, 2-wire

**Inputs:**

8 general purpose: programmable circuit type

Two dedicated: tamper and power monitor

**Outputs:** 4 relays: Form C, 5A 30Vdc

**Power:** Unregulated pass through (150mA max)

Signaling Card/Dada, Wiegand or RS-485

**Reader:** 2 Reader ports

**Keypad:** Multiplexed with card data

**LED:** Two-wire or one-wire Bicolor support

**Buzzer:** Only with 'one-wire' LED

**Dimensions:** 6.0" x 8.0" x 1.0" (152mm x 203mm x 25mm)

**Temperature:** 0-70° operational, -55-85°C storage

**Standards:** UL294 Recognized, CE Compliant, ROHS FCC Part 15 Class A., NIST Certified Encryption

**ESSP FEATURES:**

- Multi - host interface communications
- Multi - card format support
- Multi - reader technology support
- AES 128 bit data encryption
- HSPD- 12/FIPS201 compliant
- UL 294 recognized
- Alarm keypad support
- Function key support
- Universal I/O device characterization

**ESSP BENEFITS:**

- Decentralizes system intelligence
- Two-door interface with auxiliary I/O
- Intelligent oversight, auxiliary monitoring
- Scalable to 64 doors



**Monitor Dynamics**  
**Corporate Headquarters**  
**12500 Network Blvd.,**  
**Suite 303**  
**San Antonio, TX 78249**

[WWW.MONITORDYNAMICS.COM](http://WWW.MONITORDYNAMICS.COM)

