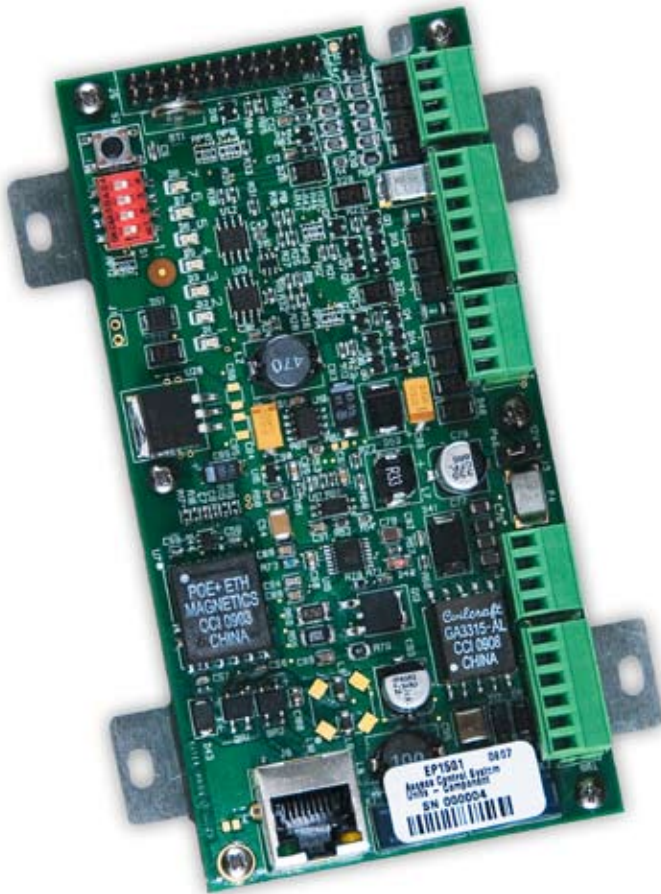


RS2 Technologies

a family of access management hardware solutions

EP-1501



The EP-1501 is one of the “new generation” of RS2 System Control Processors.

The EP-1501 includes these features:

- Communication options include serial, or TCP/IP, with capability for Ethernet
- PoE capable
- Available in a standard 6 MB memory configuration
- Support for up to 17 reader/input/output I/O panels
- Card capacity up to 197,000 cards
- 50,000-event storage capacity
- “If.../Then...” type macro capability
- Flash firmware capability for easy field upgrades
- Support for up to 8 different card formats/technologies
- Onboard lithium battery for RAM backup and tamper/power failure status monitoring
- Fault-tolerant communications capability
- Alarm keypad support
- UL 294, CE, RoHS, HSPD-12/FIPS 201

RS2 Technologies has developed an integrated family of access management hardware that can be configured to meet a wide variety of applications. It is built around our workhorse System Control Processors, which are 32-bit microcontroller-based units that are scalable from 512 KB to 12 MB, making them a cost-effective solution for very small to very large systems.

EP-1501 System Control Processor

The EP-1501 is a powerful, PoE capable, Ethernet-ready, “next generation” processor from RS2. It is available in a standard 6 MB memory configuration, making it cost effective for small to very large applications. It supports up to 128 access levels per card.

The EP-1501 stores its own database as well as all schedule information, including unlock/relock times, access times and holiday information. It also supports precision card access, elevator access control, extended door unlock/allowed open timing (ADA required), and includes a full range of anti-passback capabilities.

The EP-1501 features AES 256-bit NIST Certified Encryption, and is UL 294 recognized, CE (RoHS) compliant, and HSPD-12/FIPS 201 compliant. It supports up to 8 active card formats (including Wiegand, magnetic stripe, OSDP and biometric) as well as card, PIN, and biometric access verification. It is PIV-II, CAC, and TWIC card compatible.

Application Note

The EP-1501 is one of the cornerstones of RS2’s newest generation of System Control Processors. It provides an initial one-reader capability, with the capacity to expand up to 17 doors. A typical EP-1501 with 6 MB of memory would hold up to 197,000 cards and store 50,000 events. Communication ports include a primary 10/100 Ethernet port and an RS-485 (2-wire) port.



Technical Specifications

Primary Power:

12 VDC +/- 10%, 500 mA maximum
Unregulated pass through (150 mA max.)

Serial Ports:

Primary 10/100 Ethernet
Port 1: RS-485, 2-wire

Inputs:

2 general purpose programmable
1 dedicated: tamper and power monitor

Outputs:

2 relays: Form C, 2A, 30 VDC

Reader Ports:

2 reader ports, or 1 reader port and 1 RS-485 port

Dimensions:

5.5" x 2.75" x .96"
(140 mm x 70 mm x 24 mm)

Temperature:

0° to 77°C operational, -55° to +85°C storage

Humidity:

0%-95% RHNC

Standards:

UL 294, CE, RoHS
FCC Part 15 Class A
NIST Certified Encryption

For more information, please contact:

Technical Features

Connectivity:

Primary Port: 10/100 Ethernet
IP Server, IP Client, DHCP Client
HTTP, TLS, X.509, SNMP

Access Control:

197,000 Cardholder capacity
50,000 Transaction buffer
If/Then Macro capability

Card Formats:

8 active card formats per EP-1501
Entire card number reported on invalid read
19-digit (64-bit) User ID and 15-digit PIN numbers maximum

PIV-II, CAC, TWIC card compatible
128 Access Levels per cardholder
Activation/Deactivation Dates
Anti-passback support
Area-based, reader-based, or time-based
Nested area, hard, soft, or timed forgiveness

