

RS2 Technologies

a family of access management hardware solutions

EP-1502



The EP-1502 is one of the "new generation" of RS2 System Control Processors.

The EP-1502 includes these features:

- Communication options include serial, dial-up, or TCP/IP
- Available in a standard 6 MB memory configuration
- Support for up to 64 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-1502 System Control Processor

The EP-1502 is a powerful, 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 and will support two doors, making it ideal for two-door systems.

The EP-1502 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-1502 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-1502 is the cornerstone of RS2's newest generation of System Control Processors. It provides an initial two-reader capability, with the capacity to expand up to 64 doors. A typical EP-1502 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, an RS-232 port, an RS-485 (2-wire) port, and a dial-up option.



Technical Specifications

Primary Power:

12-24 VDC +/- 10%, 500 mA maximum
Unregulated pass through (150 mA max.)

Serial Ports:

Primary 10/100 Ethernet
Port 1: RS-232
Port 2: RS-485, 2-wire

Inputs:

4 programmable, 4 reserved for door contact and REX
2 dedicated: tamper and power monitor

Outputs:

4 relays: Form C, 5 A, 30 VDC

Reader ports:

2 reader ports

Dimensions:

6.0" x 8.0" x 1.0"
(152 mm x 203 mm x 25 mm)

Temperature:

0° to 70°C operational, -55° to +85°C storage

Humidity:

0%-95% RHNC

Standards:

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

For more information, please contact:

Technical Features

Connectivity:

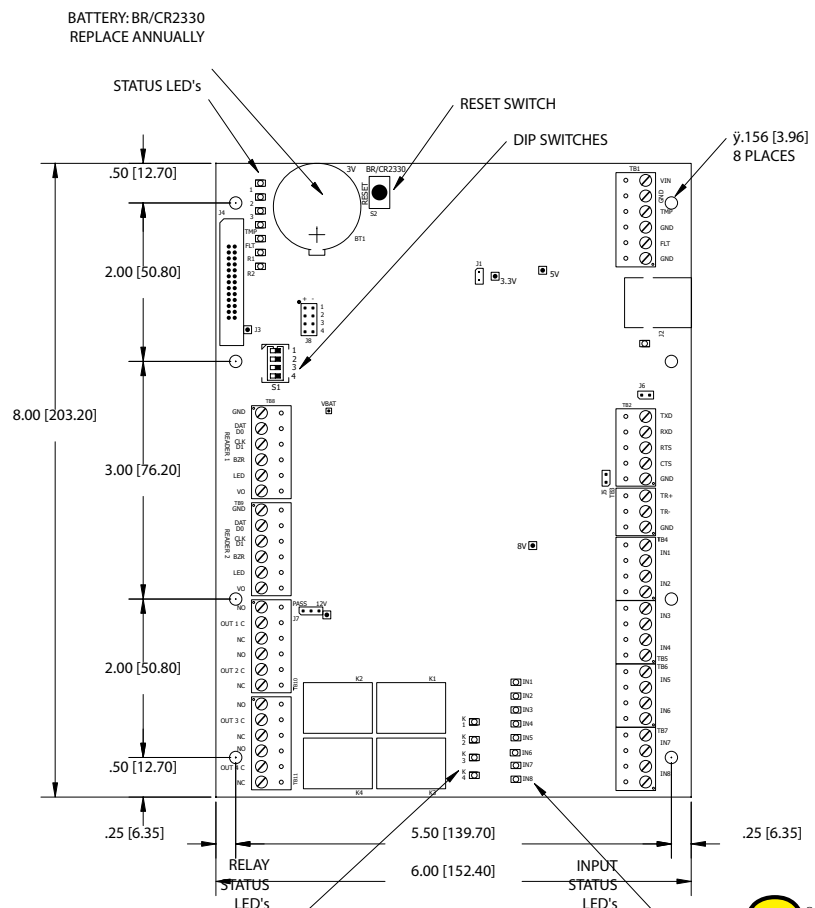
Primary Port: 10/100 Ethernet
IP Server, IP Client, DHCP Client
HTTP, TLS, X.509, SNMP
Back-up channel: RS-232, Dial-up

Access Control:

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

Card Formats:

8 active card formats per EP-1502
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



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