



Primis Single Port RS-485 Encryption Bridge

Advanced IP Integration for RS-485 Card Readers



Effortlessly transform RS-485 card readers into IP-enabled devices, eliminating traditional control panels.

Revolutionize your access control setup with the Primis Single Port RS-485 Encryption Bridge, which converts RS-485 card readers into IP devices. This technology ensures that card transactions are securely encrypted and transmitted to local or remote servers, thereby eliminating the need for conventional control panels. With compatibility across a diverse range of RS-485 card readers, this bridge simplifies upgrades and integration with existing systems.

Built on robust IT principles such as fault tolerance and resiliency, the Primis system utilizes your existing network infrastructure to bolster the security and reliability of your access control system. It supports multi-server synchronization, providing a fail-safe operation by communicating with multiple synchronized servers, thus offering extensive risk mitigation and enhanced operational reliability.

Cloud-Ready

- Manage from any server in any location
- Integrates seamlessly with existing IT infrastructure

Smart Access

- Manage access for one door with RS-485 reader
- Simple door control and monitoring

Scalable

- Flexible architecture allows for a variety of topologies
- Reduced system complexity

Secure

- Bi-directional AES-256 bit encryption
- Three levels of auto failover
- No binary hardware addressing required

Specifications

Dimensions (Encryption Bridge)	76 x 47 x 17 mm (3 x 1.85 x .67 in)
Dimensions (Non UL Enclosure)	116.07 x 78.74 x 32.51 mm (4.57 x 3.10 x 1.28 in)
Dimensions (UL Enclosure)	203.2 x 177.8 x 88.9 mm (8 x 7 x 3.5)
Power Requirements	12-16 VDC (350 mA ext & 50 mA int) or PoE 7w
Power for Attached Devices	Up to 300 mA
Operating Temperature	-40° to 50° C (-40° to 122° F) 93% relative humidity
Weight	34 g (1.2 oz.)
Communication	Ethernet (10/100)
Network Protocols Supported	IPv4, DHCP
Network Encryption	AES 256
Primis Failover Server Configuration	Up to three redundant servers
Number of Readers Supported	1
Reader Type	RS-485
Reader Power Available	Up to 300mA
Inputs	6 Inputs - Non supervised or supervised
Relay Outputs	2
Relay Switch Capacity	1A @ 30VDC
Compliances	UL294, FCC Part 15 Class B
Part Numbers	FR-50-40-485, FR-50-40-485L, FR-50-24-485

