BLU-R12M

**Azure Access Technology BLU-R12M
Downstream Reader- Interface Board
(2 Readers, 6 Supervised Inputs & 4 Relay Outputs)**

SECURITY

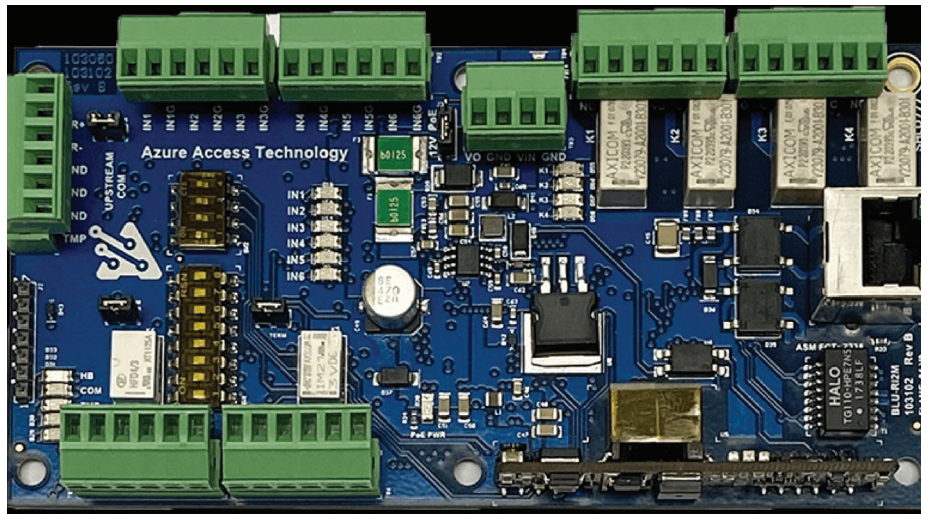TLSv1.2 A

OSDP

AES 128

Encrypted Firmware

REGULATORY

UL 294, UL294B, UL1076, UL2610
(Hardware)

ULC/ORD C1076

CE Compliant

FCC Part 15 Class A

RoHS

MAVIN
T E C H N O L O G I E S

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The BLU-RI2M is the next generation, downstream reader interface board for managing two doors plus auxiliary inputs and outputs. The board is a two-sided, low-profile design to save space and allow for installation in a triple-gang box at the "edge", close to the door.

FEATURES

☐ **FULLY ENCRYPTED COMMUNICATIONS**
> Whether network or serial, communication to Azure Intelligent Controllers (ICs) are secure.

☐ **2 READER PORTS**
> Both reader ports connect either TTL (Weigand etc.) or RS485 (OSDP) readers
> Supports paired readers

☐ **6 FLEXIBLE ALARM INPUTS**
> Supervised or Unsupervised
> Supports pre-defined standards and custom input-supervision values

☐ **4 RELAY OUTPUTS**
> Configurable pulse/activation times

☐ **LED STATUS & DIAGNOSTICS**
> LEDs for all onboard activity and hardware interface statuses

☐ **MULTIPLE ASSEMBLY OPTIONS**
> Ethernet / RS485

MAVIN SECURITY
MANAGEMENT PLATFORM

MAVIN
TECHNOLOGIES

FEATURES

> Full IO / Inputs only / Outputs only

> Ethernet / RS485

☐ **HIGH-PRECISION ALARM INPUTS**

> Supervised Input circuitry is designed with application-specific components to maintain stability and reliability in even the most extreme conditions

> A combination of Software and Hardware filtering suppresses noise and eliminates false alarms

☐ **ENERGY EFFICIENT**

> Low power consumption compared to other panels with similar hardware interfaces

GENERAL INFORMATION

☐ INDUSTRIAL operation and storage temperature (-40°C to +85°C)

☐ 5% to 95% humidity

☐ Dimensions: 5.4in (137.2mm) x 2.75in (69.9mm) x 0.88in (22.35 mm)

☐ Weight: 0.28 pounds (126 grams)

INPUT POWER

☐ 12 VDC

☐ Auxiliary output power port can supply up to 1 Amp to power door strikes or other peripheral devices.

ONBOARD HARDWARE INTERFACES

☐ 2 Reader Ports supporting both TTL and RS485

> Single-wire and two-wire LED control support

> Open collector buzzer output

☐ 6 Configurable Supervised/Unsupervised Inputs

☐ 4 Form-C Relay Outputs

> 2A @ 30VDC MAX rating

☐ 1 Unsupervised Cabinet Tamper

☐ Up to 1 Network Port

> 10/100 Fast Ethernet

☐ 1 Upstream RS485 Comm Port

> 9,600 to 115,200 baud

> 2-wire interface

☐ DIP switches for configuring hardware interfaces

> Serial COM and Network.

SYSTEM DIAGRAM

AZURE
Access Technology™