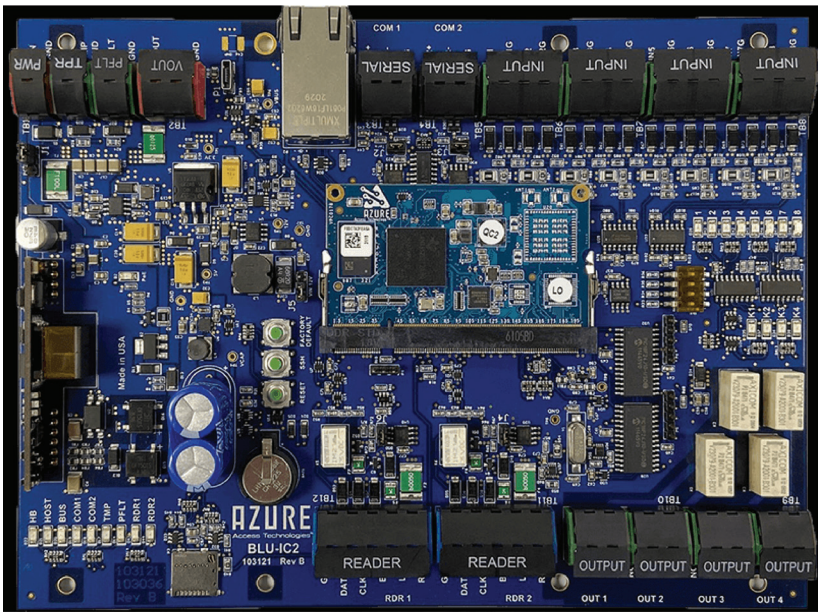
SECURITY DESIGNED
WITH YOU IN MIND

BLU-IC2

AZURE
Access Technology™

Azure Access Technology BLU-IC2 High-Speed, 2-Reader Network Controller (2 Reader ports, 8 Supervised Inputs, 4 Outputs, 2 RS-485, 1 Ethernet port)



The high performance BLU-IC2 is an open -hardware architechture with embedded Linux TM OS. Communication is encrypted end-to-end (from host down to reader), firmware is encrypted, and user certificates are suported.

SECURITY

System Supports

Security Socket Layer

Open SSL

TLSv1.2 AES256-SHA256 with TLS Server/Peer certificate checking

OSDP

Hardware Supports

FIPS 201-2

SSCPv2; Meets ANSSI encryption requirements

Firmware upgrades are signed and encrypted

CAC

TWIC

FEATURES

FULLY CONFIGURABLE HARDWARE INTERFACES

Both reader ports connect either TTL (Weigand etc.) or RS485 (OSDP) readers

HOST-TO-READER ENCRYPTION

All communications between any two points in the Azure hardware topology can be encrypted, whether network or serial

RAPID DOWNLOAD SPEEDS

READER PORTS SUPPORT BOTH WIEGAND AND OSDP READERS

ASYNCHRONOUS COMMUNICATIONS

Events are sent to the host in real time, without polling

SCRIPTING

Without modifying firmware, user-created scripts can be run to locally modify logic, create conditional actions, manage events and manipulate interfaces.

UPGRADABLE

Connect up to 16 OSDP readers with upgradable licenses

1GHz CPU module with upgradable memory options

MAVIN TECHNOLOGIES

12 Aqueduct Street, 3rd floor
Rochester, New York 14614
866 680.8346
info@go-mavin.com

go-mavin.com

MAVIN SECURITY
MANAGEMENT PLATFORM

POWER

- Input Power (VIN):
  - > 12-24VDC; 350mA typical MAX current
- Auxiliary Output Power: VIN passthrough; 1A MAX current
- Reader Port output power:
  - > VIN passthrough or 12VDC regulated
  - > 500mA MAX current each port or 600mA MAX current between both ports
- USB 5VDC; 500mA MAX current
- Onboard power supervision with backup power
  - > Memory and RTC maintained through power failure

ONBOARD HARDWARE INTERFACES

- 2 Reader Ports supporting up to 8 RS485 readers
- 8 Supervised/Unsupervised Inputs
  - > Configurable supervision values (12 pre-defined)
- 4 Form-C Relay Outputs
  - > 2A @ 30VDC MAX rating
- 2 Unsupervised Inputs for Cabinet Tamper & Power Supply Fault
- 1 Network Ports
  - > 1 dedicated 10/100 Ethernet port
- 2 Downstream, RS485 Serial Com Ports
  - > Multidrop up to 32 IO and/or Reader Interfaces per port
  - > 9,600 to 115,200 baud
  - > 2-wire interface; half-duplex
  - > Each port can be configured for a different RS485 protocol

MEMORY CAPACITY

- Minimum Memory Specs: 512MB Flash & 256MB RAM
- Up to 1 million cards
- 100K Event buffer
- 300 Access Levels per controller
- 50 Access Levels per cardholder
- 127 Magnetic stripe card formats
- 27 Wiegand card formats

NETWORK AND HOST

Locally hosted web server for configuration and event reporting

- Up to 5 concurrent host connections with authorized-host list
- IPv4 / IPv6
- SNMP

REGULATORY COMPLIANCE

- UL 294, UL294B, UL1076, UL2610 ULC / ORD C1076
- CE Compliant
- FCC Part 15 Class A
- RoHS / Pb (Lead) Free

GENERAL INFORMATION

- Mavin/Azure boards completely physically retrofit most enclosures with Mercury boards
- INDUSTRIAL operation and storage temperature (-40°C to +85°C)
- 5% to 95% humidity
- Dimensions: Standard 8in (203.2mm) x 5.5in (139.7mm) x 0.88in (22.35mm)
- Weight: 0.6 pounds (272 grams)

SYSTEM DIAGRAM