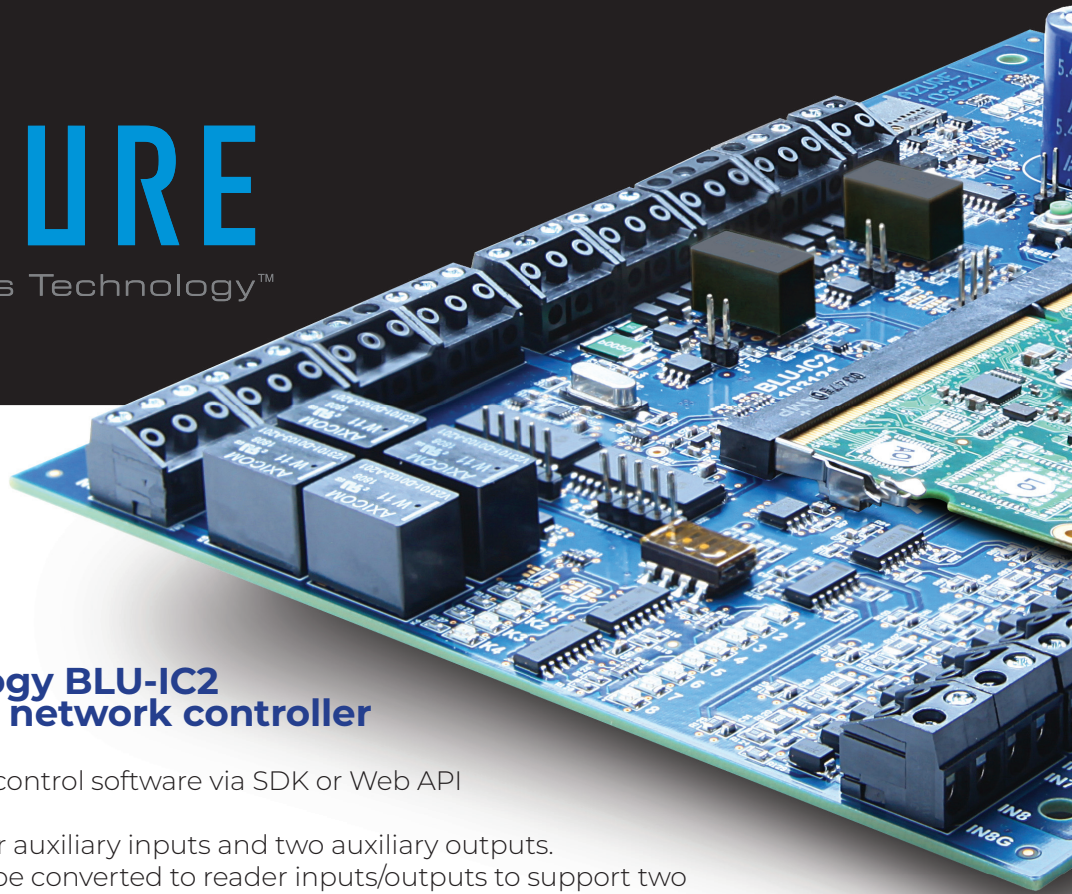


# AZURE

Access Technology™



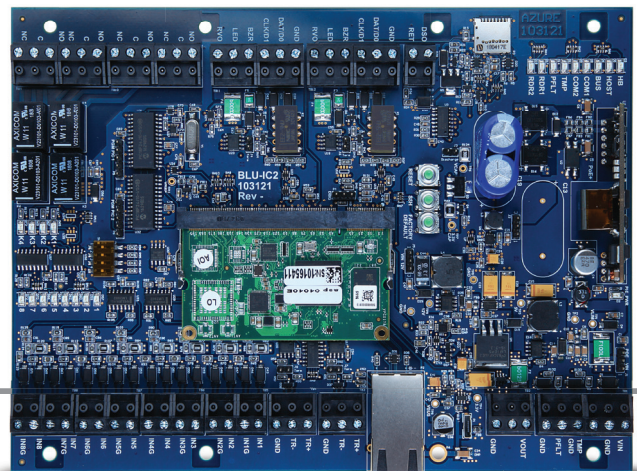
## Azure Access Technology BLU-IC2 high speed two reader network controller

Open for integration with access control software via SDK or Web API

Two reader/door control with four auxiliary inputs and two auxiliary outputs. Auxiliary inputs and outputs can be converted to reader inputs/outputs to support two additional OSDP readers on board. With paired readers, up to eight OSDP reader and four doors can be supported.

### BASIC FEATURES

- 2 reader / door network controller
  - Configurable supervision values (12 pre-defined)
  - 4 auxiliary inputs
- 4 output relays
  - 3A rating at 30Vdc
- 4 auxiliary inputs and 2 auxiliary outputs
  - Can be converted to reader/ door inputs and outputs to support two additional OSDP readers
- 2 unsupervised inputs
  - Cabinet tamper
  - Power supply fault monitoring
- 1 Digital Strike Control Output
  - Secure encoded control of strike relays
- 2 Downstream RS485 comm ports



## CAPACITIES

- Up to 1 million plus cards

### Access levels

- Up to 65,000 per cluster
- 255 per cardholder
- Up to 127 Magnetic stripe card formats
- Up to 127 Wiegand card formats

## UNIQUE FEATURES

- Network clustering
  - Up to 32 BLU-IC2 per cluster
- On board script hosting allowing modifications without modifying firmware
  - Modify logic
  - Modify events
    - Reprogram board inputs and outputs
    - Create direct links with third party devices
- Asynchronous communications
  - BLU-IC2 sends events to host as they occur, no polling required
- Speed
  - Download 10,000 cards in one second
  - Download 100,000 cards in 10 seconds
- Multiple hosts
  - Up to five host initiated connections with host white list

## FEATURES

### Anti-passback

### Threat levels

### Use Limits

### N man rule

### Occupancy management

### Visitors and escorts

### Elevator control 128 floors

### Host access request

### Duress code

### TTL and RS485 reader support

## SECURITY

- TLSv1.2 AES256-256SHA with TLS Server/Peer certificate checking
  - Support for OSDP V2
  - Supports SSCPv2
    - Meet ANSSI encryption requirements
- Firmware upgrades signed and encrypted

## COMMUNICATION

- Dedicated 10/100Mbps network port ( IPv4/v6 support )
- Micro USB 2.0 with OTG support
  - Type AB connector
  - Secondary Network port available through use of USB to Ethernet adapter
- 2 Downstream RS485 comm ports (half-duplex)
  - Support I/O and reader interface boards
  - 9600-115200 baud

## READER SUPPORT

### OSDP

### SSCPv2

### Wiegand

### Clock and data

### FIPS 201 PKI-based card and legacy types

## POWER

- +12 to +28Vdc
  - 500mA maximum
- PoE+ on board, 25.5 watts
- Voltage supervision w/ backup power during power failure
  - On board supercaps eliminate coin cell battery replacement
- Auxiliary output power port
  - Up to 1.25A

## GENERAL INFORMATION

### 1Ghz clock

### 512 MB NAND Flash

### 256MB DRAM

### 32Kbit EEPROM

### Industrial rated components (-40°C to +85°)

### Tornado web server

### Micro SD card

### Dimensions 8"x 6"x .88"

### Weight 0.6 lb.

## INTERFACE

### Core SDK

### .NET SDK

### Java SDK

### Web API

