

### Next Generation Controller

The high-performance IC2 is an open hardware architecture network controller that fully supports up to two doors. The IC2 includes 2 reader ports, 8 supervised inputs, and 4 outputs. Communication and firmware is encrypted end-to-end (from host to reader).

The IC2 is supported through UnityIS.



### Hardware Interface

- 2 Reader Ports supporting up to 2 TTL readers or up to 4 OSDP readers
- Open-collector Buzzer output
- Single-wire, tri-state LED control or two-wire LED control
- 8 Supervised/Unsupervised Inputs
- Configurable supervision values (12 pre-defined)
- High-speed input scanning with filtering/noise suppression to eliminate false alarms
- High-precision analog ICs for stability in noisy environments
- 4 Form-C Relay Outputs
- 2A @ 30VDC MAX rating
- 2 Unsupervised Inputs for Cabinet Tamper & Power Supply Fault
- 2 Network Ports
- Dedicated 10/100 Ethernet port
- 2nd Ethernet port possible with USB-to-Ethernet adapter
- 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 or Each port can be configured for a different RS485 protocol



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### Features:

- Open Hardware Platform
- Rapid Download Speed
- Host to Reader Encryption
- Fully Configurable Hardware Interface
- Both Wiegand/OSDP Support
- PoE+ Option

### Minimum Memory Specs:

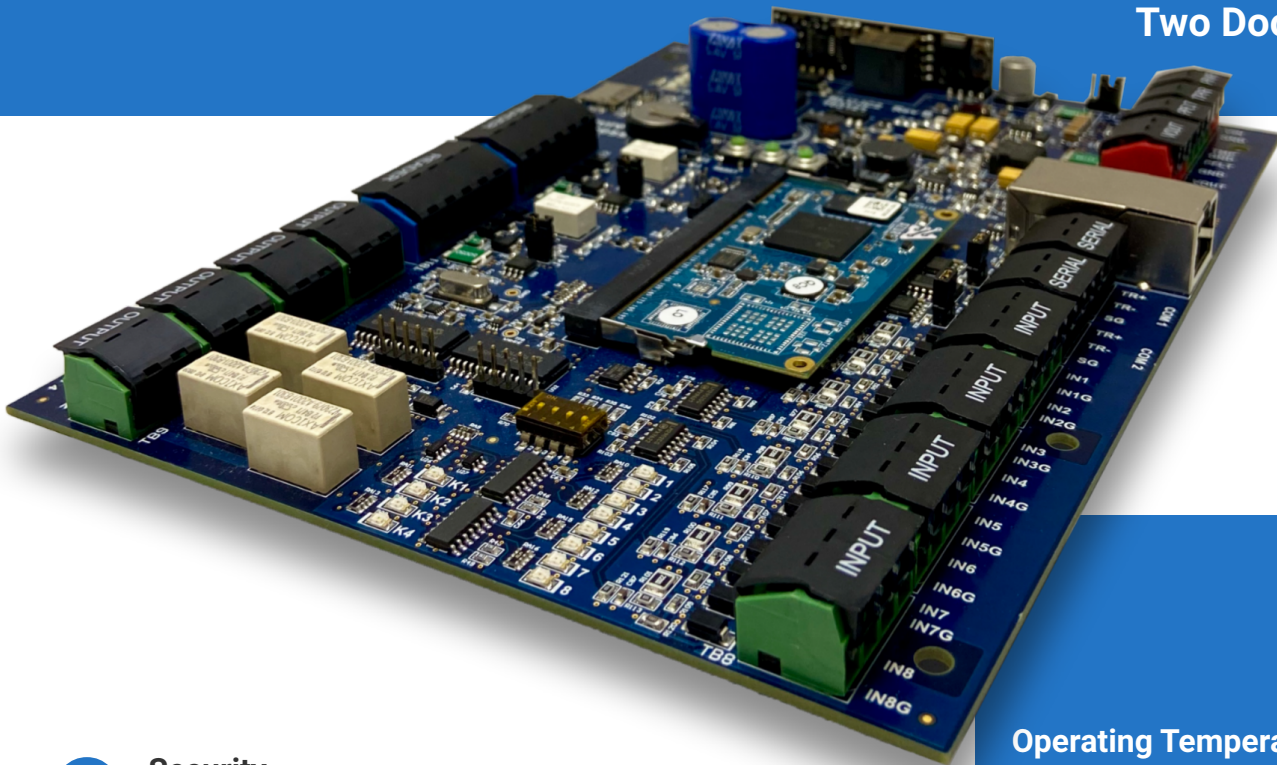
- 512 MB Flash
- 256 MB RAM
- 100 K Event buffer

### Network and Host:

- IPv4 / IPv6
- SNMP

### Regulatory Compliance

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



### Security

- OpenSSL
- TLSv1.2 AES256-SHA256 with TLS Server/Peer certificate checking
- OSDP V2
- FIPS 201-2
- SSCPv2; Meets ANSSI encryption requirements



### Power

- Input Power (VIN): > 12-24VDC; 350mA typical MAX current > PoE+
- 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

### Operating Temperature

- -40°C to +85°C
- 5% to 95% humidity

### Dimensions:

- 8in (203.2mm) x 5.5in (139.7mm) x 0.88in (22.35mm)
- Same Dimensions and Terminal Block Layout as a Mercury LP1502

### Weight:

- 0.6 pounds (272 grams)

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