

### Next Generation Sub-Controller

The RI2M is the next generation, reader-interface sub-controller. It is a lowprofile, PoE+ device that can be installed near or at the door. It features 2-door control with two combo TTL / OSDP reader ports; with supporting supervised inputs, and relay outputs.

The RI2M is supported through UnityIS.



#### Hardware Interface

- 2 Reader Ports supporting both TTL and OSDP > Single-wire, tri-state LED control > Open collector buzzer output
- 6 Configurable Supervised/Unsupervised Inputs
- 4 Form-C Relay Outputs > 2A @ 30VDC MAX rating
- Unsupervised cabinet tamper
- Network Port > 10/100 Fast Ethernet
- Upstream RS485 Comm Port > 9,600 to 115,200 baud > 2-wire interface
- DIP switches for configuring hardware interfaces > Serial COM and Network



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#### Features:

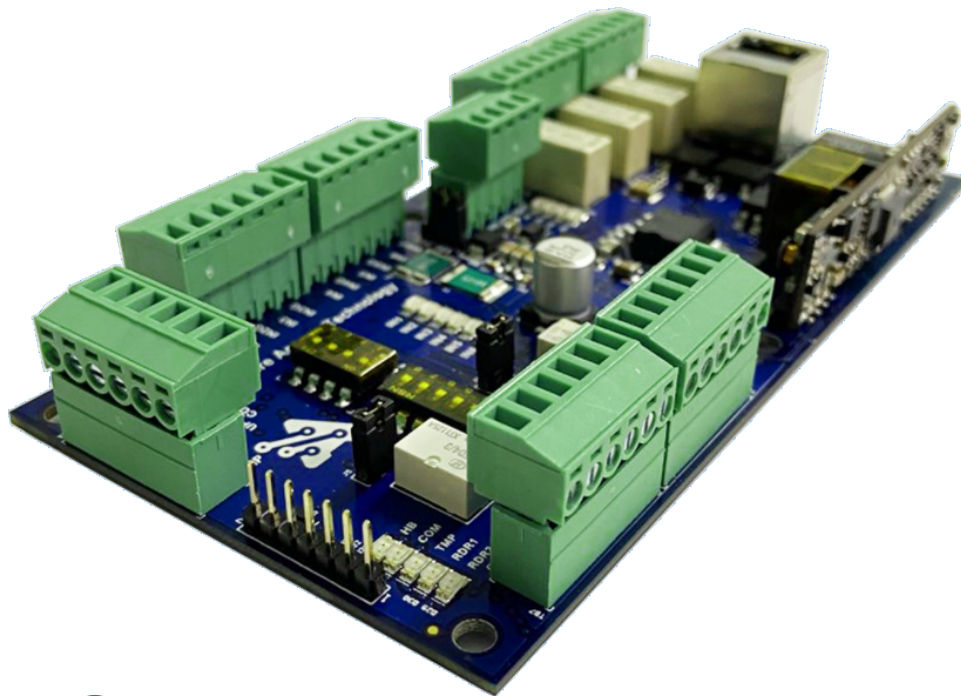
- Open Hardware Platform
- Fully Encrypted Communications
- 2 Reader Ports
- 6 supervised or unsupervised alarm inputs
- 4 outputs for strike or alerting system control
- Network or serial communications to IC
- Elevator Control
- Locally link able inputs and outputs
- Expansion port for additional I/O
- LEDs for all onboard activity, hardware interface statuses, & visual diagnostics
- PoE+ Option

#### High Precision Alarm Inputs:

- Supervised Input circuitry is designed to maintain stability and reliability in even the most extreme conditions
- Software and Hardware filtering suppresses noise and eliminates false alarms

#### Energy Efficient

- Low power consumption compared to other panels with similar hardware interface



### Security

- OpenSSL
- TLSv1.2 AES256-SHA256 with TLS Server/Peer certificate checking
- OSDP
- Encrypted firmware



### Local I/O Linking

- Logical linking of inputs & outputs that can operate independently of the intelligent controller



### Power

- Input Power (VIN): > 12VDC
- PoE+ Option
- Auxiliary output power port can supply up to 1 Amp to power door strikes or other peripheral devices.

### Network and Host:

- IPv4 / IPv6
- SNMP

### OSDP

- Supports OSDP along with proprietary communication protocols to the controller

### Operating Temperature

- -40°C to +85°C
- 5% to 95% humidity

### Dimensions:

- 5.4in (137.2mm) x 2.75in (69.9mm) x 0.88in (22.35mm)

### Weight:

- 0.28 pounds (126 grams)

### Regulatory Compliance

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



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