

Integrated door control

The Reliable Controls MACH-CheckPoint door access controller is a fully configurable Power over Ethernet (PoE) device designed to meet or exceed the BACnet Advanced Application Controller (BACnet AAC) profile.



Tech Specs

Processor

- 200 MHz, ARM 9

Memory

- 32/64/128 MB RAM
- 256 MB Flash

Supply Voltages

- PoE: 12.9 W min 15.4 W max
- PoE+: 25.5 W min 34.2 W max
- 1 dry contact unsupervised input
- Lead-acid battery 12 V/7 Ah max
- DC supply (alternative to PoE) 14 V min/50 W max
- LED status

Communications

- IEEE 802.3-af Ethernet 100BASE-T

External Power

- PoE: 7.2 W min 9.6 W max total
- PoE+: 17.7 W min 26.4 W max total
- 14 VDC Power Supply: 45 W max total

Note: Each Output A/Output B pair is limited to 800 mA (PoE/PoE+) and 1.5 A (DC)

Each reader port is limited to 500 mA @ 25°C derated to 300 mA @ 70°C

Dimensions

- 207 mm W x 136 mm L x 25 mm D (8.15" W x 5.35" L x 0.98" D)

Ambient Limits

- Operating: -40 °C to 70 °C (-40 °F to 158 °F)
- Shipping: -40 °C to 70 °C (-40 °F to 158 °F)
- Humidity: Up to 93% RH non-condensing at 40 °C

Features

Protocol

- BACnet B/IP

Inputs (Configurable)

- 9 supervised binary inputs
- 1 unsupervised binary input
- Dry contact
- LED Status

Inputs (Dedicated)

- 1 light sensor
- 1 proximity sensor
- 1 battery level indicator
- 1 POE status

Outputs

- 4 binary outputs
- Relay Contact Rating 2 A, 30 VDC
- LED status

Database

- SQL Lite

Auxiliary I/O

- 9 inputs
- 4 outputs

Status LED

- Innovative status indication LEDs and icons reduce installation and configuration time
- Status LED lights for all IO and communications ports

Alarm Monitoring

- 4 state alarm monitoring

Readers

- 4 Wiegand reader ports with red/green LEDs and sounder and tamper support
- PoE/PoE+ design powers 2 locks and 4 readers, eliminating need for external power supply
- Standard CAT5 FTP cabling for both readers and communications

Secure

- FIPS 201 compliant
- 128 bit encryption

Warranty

- 5 years

Certification

- ETL
- CE
- Designed to UL 294 and 1076 standards

Ordering

MCP-PANL

- MACH-CheckPoint 2 door access controller

Controller/Enclosure Assemblies

MCP-ENC-1001

- 1 MACH-CheckPoint controller pre-mounted in a 21.6 cm H x 27.9 cm W x 7.6 cm D (8.5" H x 11" W x 3" D) painted, steel enclosure with lock and tamper switch

MCP-ENC-2001

- 1 MACH-CheckPoint controller pre-mounted in a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) painted, steel enclosure with lock and tamper switch

MCP-ENC-2011

- 1 MACH-CheckPoint controller pre-mounted in a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 12 VDC, 7.2 ampere hour (Ah) backup battery

MCP-ENC-2101

- 1 MACH-CheckPoint controller pre-mounted in a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 75 Watt power supply

MCP-ENC-2111

- 1 MACH-CheckPoint controller pre-mounted in a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) painted, steel enclosure with lock, tamper switch, 75 Watt power supply, and 12 VDC, 7.2 ampere hour (Ah) backup battery

MCP-ENC-3001

- 1 MACH-CheckPoint controller pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock and tamper switch

MCP-ENC-3011

- 1 MACH-CheckPoint controller pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 12 VDC, 7.2 ampere hour (Ah) backup battery

MCP-ENC-3101

- 1 MACH-CheckPoint controller pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 75 Watt power supply

MCP-ENC-3111

- 1 MACH-CheckPoint controller pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, 75 Watt power supply, and 12 VDC, 7.2 ampere hour (Ah) backup battery

MCP-ENC-3002

- 2 MACH-CheckPoint controllers pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock and tamper switch

MCP-ENC-3012

- 2 MACH-CheckPoint controllers pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 12 VDC, 7.2 ampere hour (Ah) backup battery

MCP-ENC-3102

- 2 MACH-CheckPoint controllers pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, and 75 Watt power supply

MCP-ENC-3112

- 2 MACH-CheckPoint controllers pre-mounted in a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) painted, steel enclosure with lock, tamper switch, 75 Watt power supply, and 12 VDC, 7.2 ampere hour (Ah) backup battery

Accessories

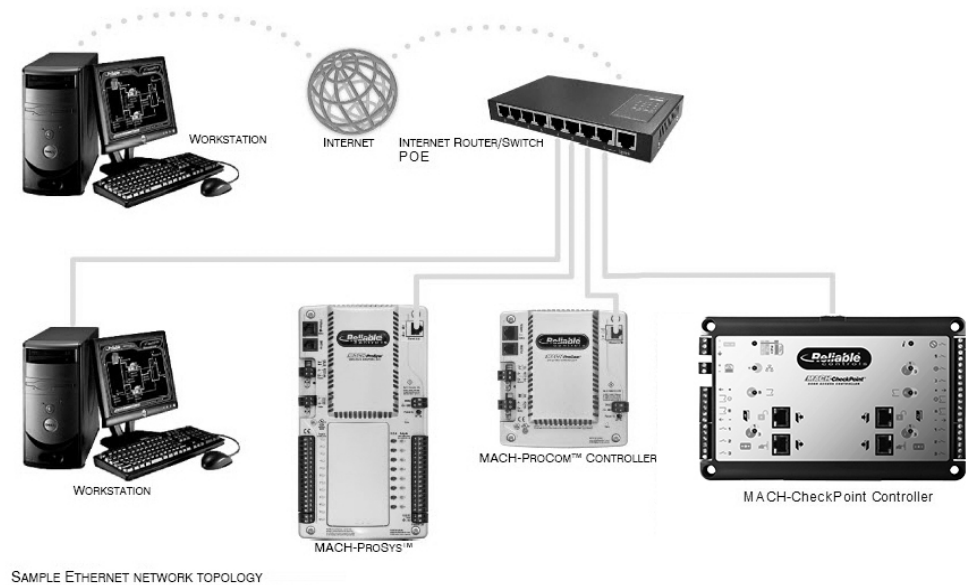
Input Termination Unit

- EN-RN-001P (4 supplied)

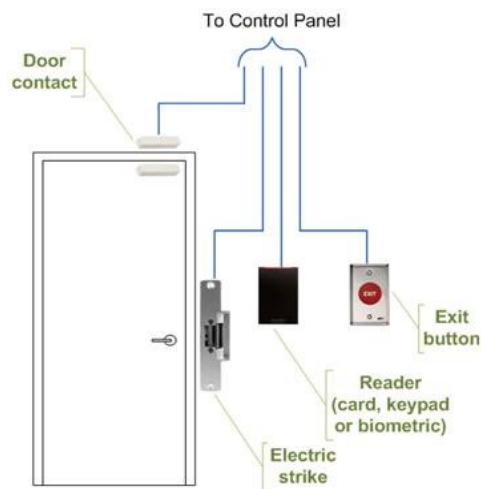
RJ-45 Screw Terminal Adapter

- EN-RA-0001P

APPLICATION DIAGRAM



DOOR ACCESS DIAGRAM



Dealer Information: