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 (B-AAC) profile.

Better by **design**™

PRODUCT FEATURES

Protocol
- BACnet/IP.

Outputs
- Four relay outputs.
- Relay contact rating: 2 A, 30 VDC.
- LED status.

Database
- All access credentials stored in a SQLite database on each MACH-CheckPoint.
- Allows for secure access even without network communications

Status LED
- Innovative status indication LEDs and icons reduce installation and configuration time.
- Status LEDs for all inputs, outputs, power supply, and communication ports.

Secure
- FIPS 201 compliant.
- 128-bit encryption.

Controller Enclosure
- Optionally available in three cabinet sizes with options for a power supply and/or backup battery.

Inputs
- Nine inputs, configurable as supervised or unsupervised.
- One unsupervised binary input.
- Dry contact.

Backup Battery
- Terminals for 12 VDC, 7 Amp-hour lead-acid backup battery.

Alarm Monitoring
- Four-state alarm monitoring.

Readers
- Wiegand protocol.
- Four RJ45 reader ports with red/green LEDs, sounder, and tamper support.
- Standard Category 5 FTP cabling for readers and communications.

Warranty
- 5 years.

TECHNICAL SPECIFICATIONS

What Ships in the Box
- One MACH-CheckPoint.
- Four input termination units.
- Two output suppression diodes.
- MACH-CheckPoint installation guide.

Processor
- 200 MHz ARM9 processor.

Supply Voltages
- DC supply recommended: 14 VDC +10%/-25%, 50 W maximum if backup battery is installed. 12 VDC power supply is insufficient without backup battery.
- PoE+: 25.5 W minimum, 34.2 W maximum.
- PoE: 12.9 W minimum, 15.4 W maximum.
- 12 VDC, 7 Ah recommended lead-acid backup battery.

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

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

Communications
- IEEE 802.3-af Ethernet 100BASE-T.

External Device Power
- PoE: 7.2 W minimum, 9.6 W maximum.
- PoE+: 17.7 W minimum, 26.4 W maximum.
- 14 VDC power supply: 45 W maximum.
- 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 at 25°C derated to 300 mA at 70°C.

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 noncondensing at 40°C.

TECHNICAL SPECIFICATIONS

Certifications
- CE.
- ETL.
- UL 294, UL 294B, and CAN/ULC-S319.

ORDERING

Models

MCP-PANL
- MACH-CheckPoint two-door access controller.

Enclosures

MCP-PANL-1001
- MACH-CheckPoint with a 21.6 cm H x 27.9 cm W x 7.6 cm D (8.5" H x 11" W x 3" D) enclosure.

MCP-PANL-2001
- MACH-CheckPoint with a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) enclosure.

MCP-PANL-2011
- MACH-CheckPoint with a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) enclosure and 12 VDC, 7.2 Ah battery.

MCP-PANL-2101
- MACH-CheckPoint with a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) enclosure and mounted 14 VDC, 75 W power supply.

MCP-PANL-2111
- MACH-CheckPoint with a 35.6 cm H x 30.5 cm W x 11.4 cm D (14" H x 12" W x 4.5" D) enclosure, 12 VDC, 7.2 Ah battery, and mounted 14 VDC, 75 W power supply.

MCP-PANL-3001
- MACH-CheckPoint with 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) enclosure.

MCP-PANL-3011
- MACH-CheckPoint with a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) enclosure and 12 VDC, 7.2 Ah battery.

MCP-PANL-3101
- MACH-CheckPoint with a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) enclosure and mounted 14 VDC, 75 W power supply.

MCP-PANL-3111
- MACH-CheckPoint with a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) enclosure, 12 VDC, 7.2 Ah battery, and mounted 14 VDC, 75 W power supply.

MCP-PANL-3002
- Two MACH-CheckPoint controllers with 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) enclosure.

MCP-PANL-3012
- Two MACH-CheckPoint controllers with a 50.8 cm H x 40.6 cm W x 11.4 cm D (20" H x 16" W x 4.5" D) enclosure and two 12 VDC, 7.2 Ah batteries.

Accessories

EN-RN-0001P
- Package of four input termination units.

EN-RA-0001P
- RJ45 to nine-pin terminal block.

EN-SD-0001P
- Surge suppression diode pack.

How to Order

Order the base model MACH-CheckPoint, or choose the MACH-CheckPoint enclosure configuration that suits your needs. Order accessories separately.
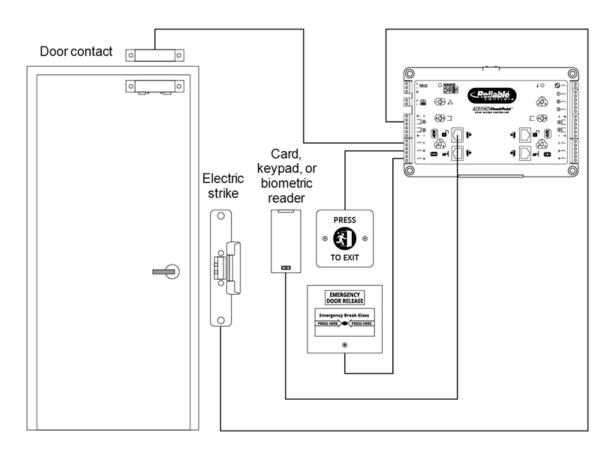
Designed and manufactured in the United States

PRODUCT IMAGE

DIAGRAMS

Network diagram

Designed and manufactured in the United States

DIAGRAMS

Door contact

Electric strike

Card, keypad, or biometric reader

PRESS TO EXIT

EMERGENCY DOOR RELEASE
Emergency Break Glass
PRESS HERE ◆ PRESS HERE

Application diagram

Dealer Information: