

3 Ethernet Connection

Ethernet Communication

The NA-1 establishes a connection to the MVP cloud via the internet. Each controller requires an individual Ethernet connection to communicate with the MVP cloud. By default, the controller's Ethernet adapter is set to DHCP, allowing it to automatically obtain an IP address once connected to the customer's network (Internet access is required). Assigning a Static IP is optional. If a static IP address is needed, you can use the Universe Finder Utility Software.

Network Cable Requirements

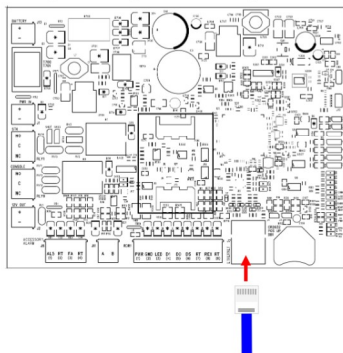
Using the Ethernet 10/100 Base-T communications requires the use of Cat5, Cat5e or Cat6 24/26 AWG UTP cable. The length should not exceed 100 meters (or 328 feet)

Universe Finder Utility

If a static IP address is needed, you can use the **Universe Finder Utility Software**. To download the latest version, go to <http://tech.napcosecurity.com> and navigate to **Software Downloads > Napco Access Pro**.

To connect the NA-1 controller to the network:

1. Using a standard Ethernet cable, plug one end into the main Ethernet RJ45 jack on the NA-1 controller.
2. Plug the other end into an available LAN port on the customer's network device, such as a router, network switch, or hub.
3. Once powered on and connected, the controller will automatically obtain an IP address via DHCP and begin checking into the cloud, provided the network has internet access.



4 Powering up the Controller

Power Over Ethernet (PoE) option available: **Part # NA1POE1ABD**

DC Power Supply

The NA-1 includes a 12VDC 2.5A Switching Power Supply Adapter that converts AC 100–240V, 50/60Hz to a 12VDC output via a wall plug. Alternatively, the NA-1 can be powered using Power over Ethernet (PoE) when installed with a compatible PoE power module. When using the NA1POEBD1A PoE module, please note that power specifications may vary; refer to the PoE Installation Manual (WI2881) for detailed requirements. The PoE module is IEEE 802.3af-compliant and allows for cable lengths up to 328 feet (100 meters) using cat5e or higher ethernet cables.

To power up the NA-1 controller:

1. Connect 18AWG wire to the Positive (+) and Negative (–) screw terminals on the supplied 12VDC, 2.4A transformer. **Important: To ensure proper power delivery, the wire from the AC adapter to the NA-1 board should be 18 gauge (or less) and not exceed 8 feet.** Route the wires into the enclosure using a cable clamp, conduit, or in-wall knockouts. Connect the Positive (+) lead to the top and the Negative (–) lead to the bottom screw terminals of **J1** on the DC Input Power Terminal Block, located on the left side of the NA-1 control board. Ensure power and relay cables are kept separate from alarm and communication cables.

2. **Power On:** After confirming all connections are secure, plug the transformer into a standard wall outlet.

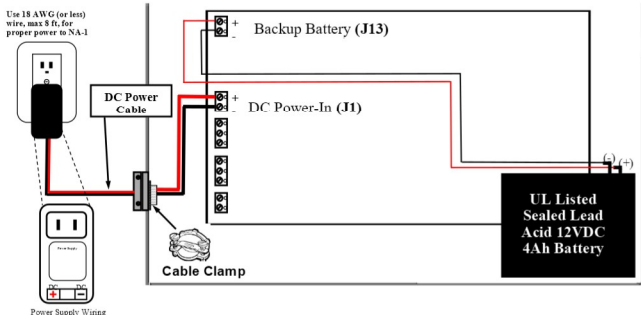
Note: The transformer requires a dedicated, unswitched AC outlet to provide constant 12V DC to the control board.

3. Connect a **UL Listed Sealed Lead Acid 12VDC 4Ah Battery** to the battery terminals, as shown below, observing correct polarity.

*Standby Power with max reader load: 4 HRS (NA-1)

*Standby Power with max reader load and 400mA EM Locks: 2 HRS (NA-1)

*See NA-1 Installation & Service Manual **WI2851** for full controller specifications. If using a PoE module, please refer to the NA1POEBD1A PoE Installation Manual **WI2881** for detailed specifications.



5 Programming

Depending upon the Software Platform you are using, please **scan** or **click** the QR Code to Get Started!

Please note: Only one platform can be used, as features set are different in the MVP EZ version vs MVP Access. Please refer to the comparison matrix for details. Click or go to <https://tech.napcosecurity.com> and select **Enter Napco Access Pro > Browse by Product Type > MVP Access** and download **MVP Platform Comparison Matrix**.

MVP EZ

Configuration and Control Options:

Setup and Programmed using an Easy Phone App configuration. Configure, Command & Control system of doors, all from a smartphone, scan devices into system w/ QR codes.



MVP EZ is available on Apple iOS and Android. System must be initially setup and programmed using the mobile app. Download the MVP EZ mobile app and then scan the QR code for steps on how to get started!



MVP ACCESS

Configuration and Control Options:

MVP Access is a robust enterprise-level access control solution that can be programmed and managed from virtually any PC—whether at the dealer's office, the integrator's location, or directly at the customer site. The system supports both fully remote configuration and a hybrid approach that combines remote access with on-site browser setup. Dealers and integrators can customize the system to fit client needs, including setting parameters like the number of doors. All setup and ongoing management are performed via a secure web client. The system can also be controlled through the same web interface or for administrators, the MVP Access Admin app delivers nearly all system management capabilities on the go.



MVP Access is available for both Apple iOS and Android devices. Mobile Operator Credentials must be configured first through <https://mvpaccess.online>. Scan the QR code for steps on how to get started!



Feature	Specifications
CardAccess Compatibility	Full function on or off line
Card Holder Credential Capacity	12,500 Card Holders
Number of Doors Supported	1 door
Reader Types	Wiegand / Proximity, Magnetic Stripes, Prox / PIN and OSDP support using port J11. (4 bit, 8bit, Wiegand 26 bit)
Reader Capacity	1 Reader (optional RS485/OSDP out-Reader)
Reader Power Output	12VDC, 200mA max per reader
Reader LED Outputs	1 active low LED, one per Reader (50mA limit)
Supervised Alarm Inputs	3 on Board: (1) Door Contacts (1) Request to Exit Device plus (1) Accessory Alarm Inputs. All inputs are dry contacts only.
Output Relay	1 on board. Form C, Selectable for Wet/Dry. Dry Relay, 2 Amps per Relay @ 12/24V up to 28V AC/DC; Wet Relay 1.6 Amps Total for both relays including the 12V Accessory Output @ 12VDC.
Console Relay	1 on board. Form C, Dry Relay Only, 2 Amps @ 12/24V up to 28V AC/DC
12V Out	12VDC Output, 1.6A total combined, shared with the two Wet Relay Outputs (Power Limited Output). Battery Backed.
Relay Circuit Protection	All relays - Circuit protected
Memory	16MB on board
FRAM	625 Standard transaction buffer. FRAM 512KB Dedicated
Access Modes	Card Only, Unique PIN only, Card and PIN, Common Code, Free Access
Ethernet Port	One 10/100 Base-T (Built-in)
Communication Modes	Ethernet—10/100 Base-T
Data Encryption	AES128 Encryption
Downloadable Firmware	Via Software Request with Fast Server Loaded to FLASH memory in 20 seconds or less.
Diagnostic LEDs	Main Interface Board DC Power Indicator—(1 LED) - Viewable through cabinet door
Clock Battery Backup	Greater than 5 years at 25°C (field-replaceable by qualified service personnel)
Battery Backup	12V 4Ah Battery (UL Listed Sealed Lead Acid 4Ah Battery recommended) Standby Power with max reader load: 4 HRS (NA-1) Standby Power with max reader load and 800mA EM Locks: 2 HRS (NA-1)
Enclosure Dimensions (Height x Width x Depth)	Cabinet: Height: 10.1875" (258.7625 mm) Width: 8.25" (209.55 mm) Depth: 3" (76.2 mm)
Weight	4 pounds (1.814Kg), approx. 8 lbs. (with a 4Ah battery installed)
Power Supply Voltage	Input—AC 100-240V, 50/60Hz Output—12.6VDC @ 2.5Amps