# MM Hayes Access Control Panels

**MM Hayes offers intelligent controllers that serve as the interface between the Workforce Access software and the actual hardware on the door.**

## HAYES CONTROLLER FOR WORKFORCE ACCESS

The Hayes Controller offers many benefits for your organization:

**Real-Time Operation:**

When a badge is swiped, the controller forwards the details of the swipe to the server for verification. Swipes can also be processed at the controller itself when necessary, such as during power outages.

When possible, the swipe is accepted or rejected based on the server response. This opens up more features as the controller is no longer limited to locally programmed data; it can access information on the server such as the status of other controllers. Real-time operation also allows for real-time review of badge swipes.

**Standard Ethernet:**

To ensure simple and low-cost deployments, the Hayes Controller connects to your network using standard 10/100Mbps Ethernet networking. No special cabling or networking equipment is required.

The Hayes Controller can also communicate over a wide area network, allowing controllers to be placed in any facility connected to your network — controllers don't have to be in the same physical location as the server.

**Easy Configuration:**

The setup needed for a Hayes Controller is minimal. Simply set the network details using the Workforce Access Utility, and then everything else is configured through the Workforce Access software.

**Two Independent Doors:**

Each door operated by the Hayes Controller is fully independent, meaning that different people with different access permissions can be assigned to each door. This is not limited to standard doors; Hayes Controllers can be used with turnstiles, parking gates, motorized fences, and more using a Form C contact rated at a maximum of 5A. Each reader can be up to 500 feet from the controller.

**Battery Backup:**

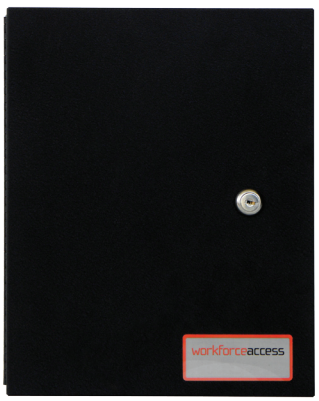
Battery backup is included on every Hayes Controller to ensure that doors continue to function in the event of a power failure.

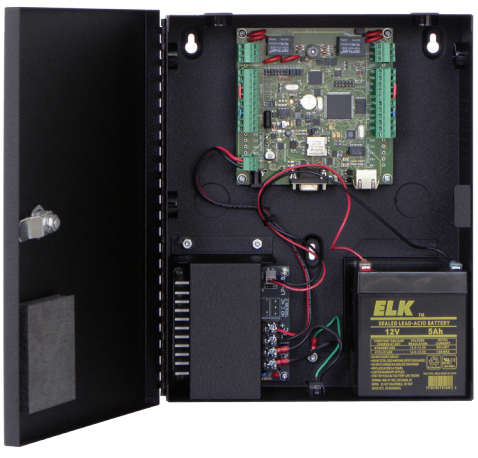
**Included Power Supply:**

The 12VDC power supply is connected to an included plug-in transformer with a self-resetting thermal protection override. The power supply takes care of the power needs for the controller and both readers, and can supply up to 500mA to each lock if they are 12VDC.

### Benefits of MM Hayes Door Access Hardware:

- Seamless integration with Kronos iSeries Access and MM Hayes Workforce Access software
- Operates in real time
- Uses standard Ethernet cables
- Support for two independent doors per controller
- Controllers include battery backup and power supply
- Offline databases for functionality in the case of a power outage
- Secure enclosures
- Support for many badge readers and almost any badge type
- Support for peripherals including door position switches and Request to Exit indicators
- Easy configuration
- Flash upgradeable



## HAYES CONTROLLER FOR WORKFORCE ACCESS (CONTINUED)

**Offline Database:**

In the event of a network or general power failure, the offline database allows the Hayes Controller to continue working as usual. For each door, the controller maintains a local database of up to 27,000 badges. If real-time connectivity becomes unavailable for any reason, the controller will simply grant or deny access based on the parameters in this offline database.

The controller also stores badge activity, which the server can retrieve when real-time connectivity is restored. The database is flash-based, so even in the event of a complete power failure the records will not be lost.

**Secure Enclosure:**

The Hayes Controller enclosure is equipped with a key lock to protect against tampering, and the 12.25" × 9.75" × 3.40" metal chassis is rated for temperatures ranging from -20°F (-28°C) to 130°F (54°C). The mounting holes are also placed to allow for simple replacement of legacy Kronos 420 terminals.

**Reader Support:**

Hayes readers are specifically designed for use with the Hayes Controllers, and have many features themselves. However, the Hayes Controller can also work with other readers that support Wiegand output. Between the many varieties of Hayes readers and support for other readers, the Hayes Controller can support almost any badge type.

**Peripheral Support:**

The Hayes Controller supports more than just locks and badge readers. Door position switches can be added, allowing the controller to determine if a door is open or not. This allows for additional features, such as triggering alerts if someone props open a door after swiping, or if a door is opened without a successful swipe.

Request to Exit indicators such as a button or motion detector can be monitored by the controller to either suppress alerts when the method is used without a swipe or to actively unlock the door.

## HAYES BADGE READERS FOR WORKFORCE ACCESS

**Available in a variety of formats:**

- **Barcode:** Many different symbologies are supported including Code 39, 2 of 5, Interleaved 2 of 5, Code 128, Codabar, EAN-13, and UPC-A all on the same reader.
- **Magnetic Stripe:** Readers are available for track 1, 2, or 3.
- **Proximity:** Readers can support HID Prox®, HID iClass®, Indala®, Farpointe®, MIFARE®, or PIV-II up to 64 bit.
- **Biometric:** Fingerprint templates are matched to confirm identity.
- Combination barcode, magnetic, or proximity readers are also available.

**Offers the following benefits:**

- **Standard "Kronos" Mode:** Existing badges used with Kronos time and attendance solutions are supported out of the box.
- **4 Wire Compatibility:** Hayes readers only require a wire with 4 conductors which can simplify installations where such wire is already available.
- **Outdoor Enclosure:** Hayes readers are weatherproofed for outdoor use with a tamper-resistant polycarbonate enclosure.
- **User Feedback:** An audible beep lets users know when a badge is read, and the two-color LED provides indication for accepted and rejected swipes.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