IDENTIV

Hirsch Mx IDS Kit
High-Security Access Control and Intrusion Detection

Hirsch Intrusion Detection System (IDS) Kits combine award winning access control with UL Certified intrusion detection to provide a comprehensive solution for end users

With proven technology that has been successfully deployed in small, high-risk rooms to multi-building, multi-location campuses, the Hirsch IDS Kits use either the Mx-1-ME, or Mx-2.

Hirsch IDS kits combine these one or two door systems with 8, 16, 24, or 32 alarm inputs for alarm supervision.

Hirsch uses stable, digitally processed analog inputs with line supervision for high-security alarm monitoring.

A line supervision module is located at the door contact, alarm sensors or supervised devices. Conditions reported include Alarm, Secure, RQE, Mask, Tamper Alarm, Tamper Secure, Short, Open, Noisy, and Input-Out-of-Spec.

Designed for use with uTrust TS readers, credentials, and secure keypads, the IDS kits bring UL 1076 compliant intrusion detection to the Identiv enterprise security management ecosystem.

Features and Benefits

- Fully supervised one or two-door models with integrated, secure network communication and alarm expansion boards for IDS management

- Integrated Access Control and Intrusion Detection

- UL 1076 Certified hardware and software

- Easy to Install and Manage

- Compatible with TS Readers, ScramblePads, and ScrambleFactor

Specifications

Communications	
Serial Interface Ports	Controller to controller: • RS-485 multi-drop protocol (X*NET2, X*NET3) • Up to 4,000 ft (1,200 m) with 22 gauge, 2 pair, stranded, twisted, and shielded
OSDP Protocol	Controller to reader: • Buzzer, LED, and optional secure OSDP • Single port for entry and exit readers • Up to 4,000 ft (1,200 m) with 18 gauge, 2 pair, stranded, twisted, and shielded
Wiegand Protocol	Onboard Wiegand: • Industry standard Wiegand • Reader ports: 2 (1 entry port and 1 exit port) • Maximum wiring run: 500 ft (150 m) with 18 gauge, 2 pair, stranded, twisted, overall shield
Firmware	
Command and Control Module (CCMx)	• Flash upgradeable • Time zones: 150 • Door groups: 128 • Control zones: 256 • Holiday schedules: 4 (366 days x 2 years) • Daylight savings time adjustment
SNIB3	• Flash upgradeable with signed and encrypted firmware • FIPS AES 256 encryption • TLS 1.2 Encryption (Requires Velocity 3.7 SP2 or later) • 10/100/1000 Ethernet (TCP/IPv4 or v6)
Memory	
Buffers	Standard: 1,500 events and 1,500 alarms
Credentials	Up to 500,000
Memory Protection Battery	10 days for code, setups, clock, and buffers
Physical	
	See Mx-1-ME or Mx Series Data Sheet for detailed information on each panel

Expansion Board Part Numbers

Part Number	Description
AEB8	Adds eight (8) additional high-security alarm inputs. Velocity supports up to four (4) AEB8's. Each input requires an appropriate Line Module. Features removable connectors.
REB8	Adds additional eight (8) Amp Form C relays. Up to five (5) REB8's per controller. Status LEDs and removable connectors

Controller Part Numbers

Part Number	Description
Mx-1-ME-IDS-8-KIT	Mx-1 Controller, 1 x AEB8 for 8 IDS inputs, metal enclosure
Mx-1-ME-IDS-16-KIT	Mx-1 Controller, 2 x AEB8 for 16 IDS inputs, metal enclosure
Mx-1-ME-IDS-24-KIT	Mx-1 Controller, 3 x AEB8 for 24 IDS inputs, metal enclosure
Mx-1-ME-IDS-32-KIT	Mx-1 Controller, 4 x AEB8 for 32 IDS inputs, metal enclosure
Mx-2-S3OB-IDS-8-KIT	Mx-2 Controller, SNIB3 on board, 1 x AEB8 for 8 IDS inputs
Mx-2-S3OB-IDS-16-KIT	Mx-2 Controller, SNIB3 on board, 2 x AEB8 for 16 IDS inputs
Mx-2-S3OB-IDS-24-KIT	Mx-2 Controller, SNIB3 on board, 3 x AEB8 for 24 IDS inputs
Mx-2-S3OB-IDS-32-KIT	Mx-2 Controller, SNIB3 on board, 4 x AEB for 32 IDS inputs

Reliability by Design

Hirsch Mx Controllers are designed for high availability as a complete system for global markets. A standby battery for memory is standard, while a standby UPS or battery for operation is optional. Power connectors are fused. Readers and relays are protected by built-in hardware circuits which will cut off power when they detect over-power consumption, protecting the board against unintended damage and this event will also be reported back to Velocity so that user can take corrective action.

Benefits

- Easy to install and manage
  - Provides simple install through one system/hardware set
  - Single interface for end users to learn for system management

Customization

- Customized Mx controller component kits are available by contacting sales@identiv.com or your local Hirsch dealer.