

EdgePlus™ E400

IP Intelligence at the Door Incorporating any Reader in a Host System • 82000

- ▶ **True Flexibility** - Provides network connectivity for any existing or new Wiegand or compatible HID Clock and Data readers
- ▶ **Real Cost Savings** - Network access is CAT-5 for communications and Power over Ethernet (PoE). Eliminates the need for separate power supplies and controllers
- ▶ **Established Open Architecture** - Built on the HID OPIN™ platform and managed from a host application. Ideally suited for today's IT-centric security environments



EDGE™

ACCESS Intelligence @ the Door

The HID EdgePlus IP Access Solution puts control and host interface right at the door. The EdgePlus E400 is a true IP access solution that manages up to 44,000 cardholders or credentials in complete and full-featured host systems. And an EdgePlus can be placed anywhere at the door to address all security requirements. A fully integrated processor right at the door that's an ideal solution for retrofits or new installations, EdgePlus requires less wiring and uses standard CAT-5 or 6 cabling for both data and power.

With a separately connected reader, EdgePlus is a perfect solution for migrating existing reader installations to the "edge" of the network. Whether the enterprise is iCLASS®, Prox, FlexSmart®, FlexPass®, MIFARE®/DESFire®, CRESCENDO™ or Wiegand output reader, EdgePlus delivers Intelligence at the Door.

Features

- ▶ Connects with and stores a complete access control and configuration database for one controlled door and 44,000 cardholders
- ▶ 255 configurable priorities for supervised inputs/alarms
- ▶ Compatible reader protocols includes all wiegand or HID formats up to 128 bits and iCLASS RS-232
- ▶ Incorporates the HID OPIN Technology TCP/IP API with an available Windows DLL tool
- ▶ Enables IP-based, two-way communication with iCLASS reader/writer, LCD keypad and biometric reader products
- ▶ Built-in 802.3af Power over Ethernet (PoE), with 700mA available for external field devices
- ▶ Accepts local connection option via laptop for diagnostics and configuration
- ▶ Connects to host on the IP network
- ▶ Controls and powers all access devices at the door
- ▶ Buffers up to 5,000 transactions if communication is disrupted with host and uploads when network communications are restored
- ▶ Controls and reports any passback (hard/soft/med)
- ▶ RS-232 serial port for optional back-up via modem

Features

Specifications

Mounting

Mount to a single gang style electrical box with two screws. The EdgePlus includes tamper protection for this type of installation to secure all wiring within the electrical box. For indoor mounting only.

Easily Interfaced

- RJ-45 connector for Ethernet TCP/IP
- RS-232 port for optional modem or connectivity to other systems
- Quick-disconnect screw terminal connectors
- External System Link capability allows for direct integration with other security and building systems via RS-232, TCP/IP, or HTTP.

Inputs for

- 1 reader
- 1 door monitor switch
- 1 Request-to-Exit switch
- AC Fail Monitor*
- Battery Fail Monitor*
- Enclosure Tamper

*Can be configured as a general purpose input

Non-latching wet/dry relay outputs for

- 1 door strike
- 1 auxiliary device: door held/forced alarm, alarm shunt, host offline (comms down), or general purpose

Cable Specifications

Ethernet	300 feet (100 m) Category 5 cable	ALPHA 9504C ALPHA 9405F
Wiegand	500 feet (150 m) 9-conductor, stranded, overall shield 22 AWG	ALPHA 1299C
Input Circuits	500 feet (150 m) 2-conductor, shielded 22 AWG 18 AWG	ALPHA 1292C ALPHA 2421C
Output Circuits	500 feet (150 m) 2-conductor 22 AWG 18 AWG	ALPHA 1172C ALPHA 1897C
RS-232	50 feet (15 m) 9-conductor, stranded 22 AWG	ALPHA 1299C ALPHA 58119

Minimum wire gauge depends on cable length and current requirements.

Mounting	Single-gang style electrical box
Dimensions	3.3" W x 4.8" H x 1.5" D (83.8 mm x 121.9 mm x 36.3 mm)
Weight	6.8 oz (.195 kg)
Style	Attractive UL94 polycarbonate enclosure protects components from damage and all connections are fully identified by silk-screened nomenclature.
Card Data Formats	Supports any card data format up to 128 bits
Hardware	32-bit RISC CPU, 100 MHz processor
Memory	8 MB onboard Flash memory 32 MB SDRAM 256K SRAM
Visual Indicators	Two LEDs indicate power/network activity and device I/O activity.
Power Supply Requirements	1 A @ 12-16 VDC maximum Recommended: Power is supplied using the Power over Ethernet technology available with PoE (802.3af) enabled network devices. Alternate: Supervised linear power supply with battery backup, input surge protection, and AC Fail and battery low contact outputs. Relays can be configured to supply power as follows: Available Power: The E400 is capable of supplying a total of 700 mA to field devices. This power may be shared between a reader and one or two additional field devices. Unpowered, relay contacts are rated for 2 A @ 30 VDC
Operating Temperature	The EdgeReader is intended for use in indoor environments that comply with the following specifications: 32° to 122° F (0° to 50° C)
Operating Humidity	5% to 95% relative, non-condensing
Communication Ports	Ethernet – 10 or 100 Mbps RS-232 – port for Modem or connectivity to other systems. Reader - Wiegand, HID Clock and Data, or in iClass RS-232
Certifications	UL 294 and UL 1076 Listed Component for the US pending, CSA 205 for Canada, FCC Class B Verification, EMC for Canada, EU (CE Mark), Australia (C-Tick Mark), New Zealand, Japan
Warranty	Warrantied against defects in materials and workmanship for 18 months (See complete warranty policy for details).



ACCESS Intelligence @ the Door

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