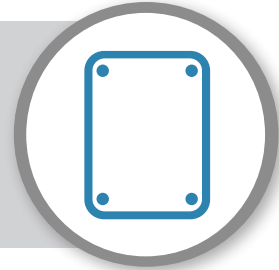


# EZ Intelligent Door Controllers

Part number: EZ-SAT-IDC-485, EZ-SAT-IDC-E



The EZ Intelligent IDC communicates with the host software and provides system I/O for two 1-reader doors or one 2-reader door. In addition, an IDC offers an alarm input for general system use, a tamper input to protect the panel enclosure, and status monitoring for 2 break glass units. Once loaded from the host system, an IDC will independently process access rules and report system events to the system.

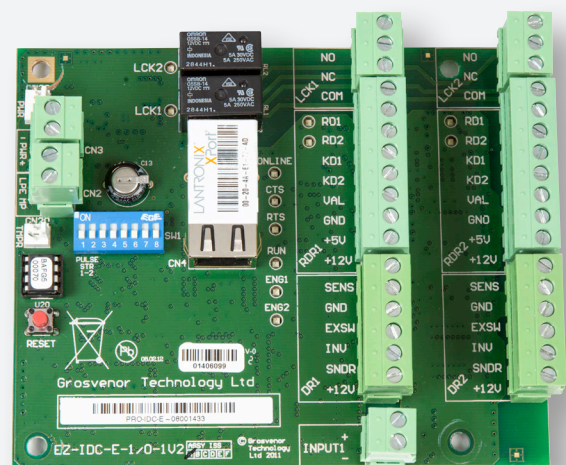
IP door controllers connect to the Sateon PC network via an IP switch. No other data connection is required in order to work with Sateon. POE is supported by incorporating a Grosvenor Technology POE splitter which includes individual fuses for lock power, battery overload and battery charging circuits.

There is no limit to the number of IP controllers that can be connected to a Sateon system.

RS-485 variants of the door controllers can be connected in-line with up to thirty-two controller nodes to form a Sateon 'Field Network'. This in turn connects to the Sateon PC network via an IP line header.

## Key features

- 2 x readers for 1 or 2 door configuration
- Power over ethernet supported
- Real-time processing at the controller
- 65,000 tokens at each controller
- 4,000 event buffer if offline
- Supervised alarm input
- Break-glass status monitoring
- Panel tamper included
- Information LED's and sounder outputs
- Battery back-up
- No system limit for the number of controllers





Dimensions (H x W x D)
106mm x 130mm x 38mm (board only)
385mm x 279mm x 78mm (with EZ-ENC-2A-230V enclosure)
385mm x 279mm x 78mm (with EZ-ENC-POE enclosure)
355mm x 305mm x 102mm (with EZ-ENC-NPU-UL enclosure)
Weight
176g (IP board only)
172g (RS-485 board only)
2.54kg (EZ-ENC-2A-230V enclosure only)
2.35kg (EZ-ENC-POE enclosure only)
3.6kg (EZ-ENC-NPU-UL enclosure only)
Operating Temperature
0°C to 49°C (32°F to 120°F)
Humidity
5 - 85 ±5% at 30 ±2°C (86 ± 4°F)
Power Loading (No Readers Connected)
182mA @12V (IP controller) 106mA @12V (RS-485 controller)
Battery Back-up
A 7Ah battery will typically provide up to 4 hours reserve
Card Reader Supply, Power Limited
11.6 - 12V 500mA, 5V 200mA total (both ports)
Outputs (LED/Sounder)
Door forced, door wedged, valid token, invalid token
Auxiliary Input
1 supervised input
Lock Switching Capacity
3A, 30V max
Memory
65,000 token users, retained for 100 hours (with battery backed PSU)
Communication (IP Door Controller)
RJ45 Ethernet 10/100 Base-T. Optional encryption 128-bit Rijndael Advanced Encryption Standard (AES)
Communication (RS-485 Door Controller)
2-wire twisted pair RS-485. 19.2k baud. For long runs or in harsh electrical environments use braided pair.

Power Supply and Enclosures
Controllers install into a Grosvenor Technology enclosure, or an equivalent of your choice
The standard Grosvenor controller includes an integral 3A PSU of which 2.5A is available for locks and peripherals
Alternatively, a POE enclosure supplies up to 30 watts when using the Grosvenor POE PSU injector
Certification
BS EN 50122-1 + A1 1997 - Emissions and immunity standard for access control systems
BS EN 55022 class B 1998 - Emissions standard for information technology equipment
BS EN 50133 + A1 1997 - Immunity standard for access control systems
BS EN 61000-4-2 1995 - ESD requirements
BS EN 61000-4-3 + A1 2006 - Radiated susceptibility
BS EN 61000 4-4 1995 - Electrical fast transient burst requirements
BS EN 61000 4-5 1995 - Surges requirements
BS EN 61000 4-6 1996 - Conducted susceptibility
BS EN 61000 4-11 1994 - Voltage dips and interruptions
Following the provisions of EU EMC Directives 89/336/EE and 92/31/EEC
UL 294 when used in conjunction with EZ-ENC-NPU-UL enclosure
Ordering Information
EZ-SAT-IDC-E IP Intelligent Door Controller - board only
EZ-SAT-IDC-485 RS-485 Intelligent Door Controller - board only
EZ-ENC-2A-230V Enclosure/Panel c/w 230V 2A mains PSU
EZ-ENC-POE POE Enclosure c/w POE splitter. Includes individual fused circuits for lock, battery overload and battery charging
EZ-POE-PSU 30W POE injector PSU
EZ-ENC-NPU-UL UL certified enclosure for use with EZ door and I/O controllers. A separate UL 294 PSU or POE injector is required

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