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

Grosvenor Technology
2nd Floor, Endeavour House, Coopers End Road, Stansted, Essex, CM24 1SJ

Tel: +44 (0)1279 838 000
Email: ac-EMEAsales@grosvenortechnology.com
www.grosvenortechnology.com