StarNET

ACP II (Access Control Processor)
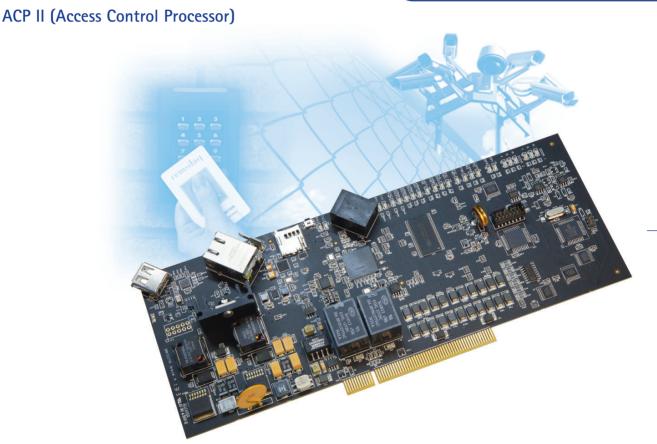
- 256,000 access control cards
- 128,000 locally time stamped events
- 4,096 access permissions
- Up to 32 doors per controller
- Up to 15 TDEM or IOM plug-in modules
- Up to 31 StarNET LEDA satellite modules
- Available IEC 61131-3 compliant logic package

The StarNET ACP II is a modular BACnet access control processor. It supports 2 doors, expandable to 32 doors via optional plug in modules. ACP II is housed in a 2 or 4 way backplane and is designed to communicate with our Enterprise Class Security Management System StarWatch, version 5.1 or later.

Remsdaq Part Number EW1100P

StarNET ACP II (ACP II) is an intelligent field device capable of making access control decisions without reference to the master station. It is also able to store alarm and transaction events in the case of interrupted communications to the master station.

When powered up out of the box, the ACP II will automatically assume a default configuration and function as a basic access control unit. If changes to the default configuration are required they can be made via the StarWEB browser interface.

ACP II acts as a host for up to 31 slave devices over an integral CANbus which can be in any combination of TDEM, IOM and StarNET LEDA devices subject to a maximum total of 15 TDEMs and IOMs. TDEM and IOM modules are housed in either 2 or 4 way backplanes at distances of up to 400m from the ACP II.

Free standing StarNET LEDA satellites can co-exist with plug-in TDEM and IOM modules subject to the maximum 400m limitation of the CAN bus.

The StarNET ACP II is able to offer the following access control facilities:

- Up to 2 doors with entry/exit readers
- Single bi-directional turnstile with entry/exit readers
- Airlock Support
- Supports any wiegand compatible card reader
- EntroPad compatible
- Global anti-passback

Technical Data

208 MHz ARM 9 Processor
128 MB of DDRAM
256 MB of NAND Flash
4 MB of SPI NOR Flash
Linux operating system
Embedded relational database
microSD card reader

Ethernet Port

10/100 BASE TX Ethernet port

Serial Ports (Future Use)

USB 2.0 port
RS232/Isolated RS485 serial port
Isolated RS485 serial port

ACP II with optional TDEM and IOM in a 4 way backplane

Integral TDEM Two Door Interface

2 door, 4 reader controller
3 off supervised digital inputs per door
2 off N/O contacts rated 2A @ 30V DC

Power Supply Requirements

+12 volts (nominal) DC Supply (not supplied)
DC voltage: +10 volts to +18 volts
ACP II power consumption: 170 mA (quiescent)

Environmental Specifications

Operating /Storage temperature range -40°C to +70°C
Relative Humidity up to 95% (non-condensing) at +40°C

EMC Specifications

BS EN 55022 Radiated and Conducted Emissions
BS EN 50082-1 Generic Immunity

Dimensions

238.2mm x 98.4mm