



# EU Expander Unit

## GEN-010

The GEN-010 16-Input expander unit provides 16 inputs and 4 auxiliary outputs, with separate tamper input. For additional input expansion, the unit also supports GEN-020 16 input I/O expander module that provides additional 16 inputs and 4-relay outputs. The on-board 1 Amp power supply also incorporates sealed lead-acid battery charging capability.

The GEN-010 provides four state DEOL monitoring per input to ensure the highest level of security is achieved. The ability to specify up to 16 selectable end of line resistor values make it incredibly simple to upgrade existing sites.

Each input is totally configurable. It could be an alarm point that triggers the dialer, it could control the air conditioning or the lights. Scripting makes it possible to use any input to control any output, area, dialler or even control other inputs.

The four programmable high-current outputs are primarily intended for strobes and sirens but are totally programmable for any other application.

The device provides a cost effective method of expanding a system over the 2-wire RS485 LAN network that can expand up-to 1500m from the master panel.

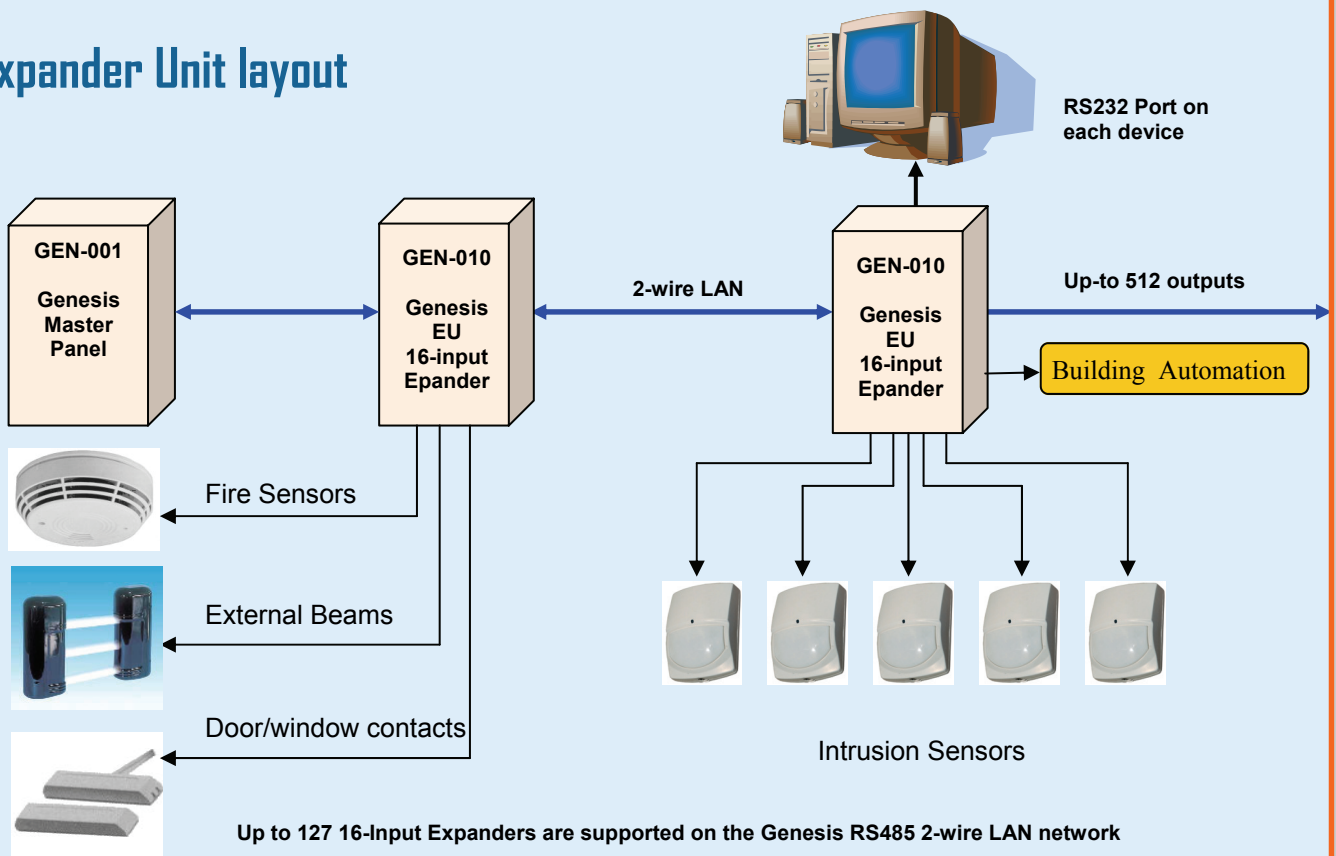


### GEN-010 Expander provides

- ◆ 16/32 x 4-State DEOL monitored inputs
- ◆ 1 x Additional cabinet tamper input
- ◆ 4 x Fused and programmable outputs
- ◆ 1-Amp Power Supply with battery charging
- ◆ RS-485 2-wire high-speed LAN, up-to 1500m
- ◆ PC connectivity, with in-built RS232 port
- ◆ 16 bit Microprocessor, for system performance



## Expander Unit layout



### 16-Input Expander Unit

### Specifications

Processor	16 bit Mitsubishi
Size (metal cabinet)	300 x 440 x 75mm
Shipping weight (in Metal cabinet)	5.3 kg
Shipping dimensions	310 x 450 x 90mm
<b>Power</b>	
Input	16v AC, 1.5Amp
Battery	13.8v output for battery charging
Aux power	2 x 12v outputs for detectors
Current	80mA
Fuses	4 x Maintenance free self resetting
I/O Expander	16 x 4 state monitored
<b>Outputs</b>	
Onboard	4 x 12v switched outputs
PC	RS-232 Port, RJ45 connector plug
LAN Communication	RS485, 2-wire LAN, speed 19,200 baud rate
Environmental	-15 to + 50 C, 10 to 90% RH non-condensing

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