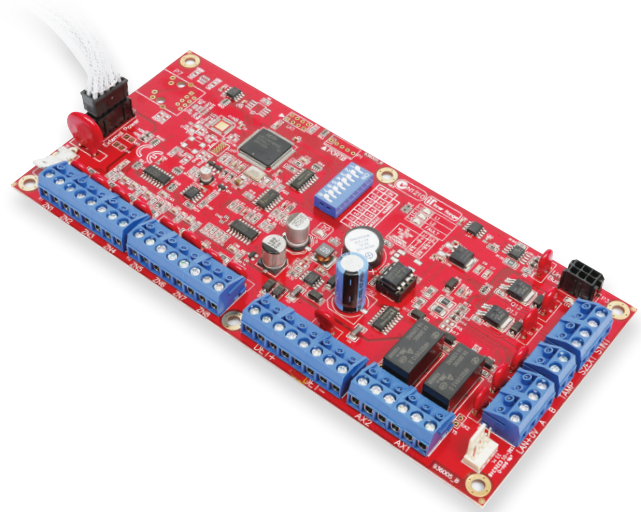The Integriti 8 Zone LAN Expander Module connects directly to the Integriti or RS-485 LAN and provides an additional 8 Zone Inputs, 2 Auxiliary Outputs and 2 Siren drivers.

Up to 99 Zone Expander Modules can be connected to the RS-485 LAN (or via IP using LAN over Ethernet modules - Part. 995093 see page 69 of Product Catalogue).**

The 8 Zone LAN Expander Module also offers a UniBus in-cabinet expansion interface allowing further expansion of Zone Inputs and Auxiliary Outputs using plug on UniBus expansion devices fitted within the same tamper-protected enclosure. Up to 32 Zone Inputs or 32 Auxiliary Outputs can be connected to the Module (32 Zones and 26 Auxiliaries or 24 Zones and 32 Auxiliaries at the same time).

The power supply requirement is 11 to 14VDC and a range of Integriti plug on external 2Amp, 3Amp or 8Amp switch mode power supplies are available. Integriti external power supplies are fully monitored via the 8 Zone Expander Module.

*** Where it is necessary to connect large numbers of Zone Expanders to the Integriti RS-485 LAN, the use of LAN Isolators or other LAN retransmission devices such as Fibre Modems or CLOE modules is recommended. The total amount of zone inputs available in the system is dependent on the SMART card level fitted to the Controller (See the Integriti ISC/IAC Controller data sheets for details).*

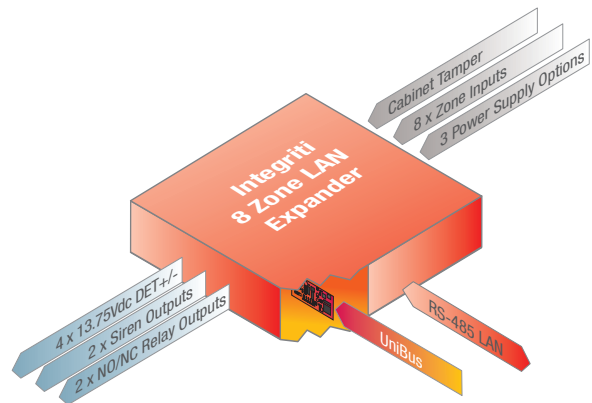| UniBus Device Compatibility Guide		UniBus Host Module			
		ISC	IAC	8 Zone Expander	ILAM
UniBus Device	8 Zone Expander	2	0	3	0
	8 Relay Expander	4	4	4	2
	2 Door / 2 Reader Expander	0	3	0	3
	16 Floor Lift Interface	6	6	6	6
	RS-232/RS-485 UART	4	4	0	0
	Analogue Expander	4	0	6	0
	2nd Network Interface Card	1	1	0	0

Features

- RS-485 LAN connectivity
- UniBus In-Cabinet Expansion Interface
- 8 Zone Inputs - Multistate or Analogue
- 2 Auxiliary Output Relays
- External Integriti power supply connection
- Three options for power supply size 2Amp, 3Amp & 8Amp
- Six enclosure size options
- Dedicated Tamper Input
- Internal & External variable tone Siren Outputs
- 4 Terminals supplying 13.75VDC nominal Detector Power
- Over-The-Wire firmware upgradable
- On-board diagnostic LED's to assist with commissioning and troubleshooting
- Small PCB size 200 x 95mm
- Built-in module locater buzzer

Expansion Capabilities

- Zone Inputs - Expandable to 32 via UniBus***
- Auxiliary Outputs (Relays) - Expandable to 32 via UniBus***

*****32 Zones and 26 Auxiliaries or 24 Zones and 32 Auxiliaries at the same time*

Connectivity

Specifications

Physical

Enclosure Options:	Xtra Small – 995200XS Series - 252(L) x 263(W) x 85(D) (mm) (No PSU)
	Small - 995200PEI Series - 252(L) x 358(W) x 85(D) (mm) (with 2Amp PSU)
	Medium - 995201PEI Series - 460(L) x 358(W) x 85(D) (mm) (with 3Amp SMART PSU)
	XLarge - 995203PEI Series - 702(L) x 358(W) x 85(D) (mm) (with 3Amp SMART PSU)
	XLarge - 995203PE8 Series - 702(L) x 358(W) x 85(D) (mm) (with 8Amp SMART PSU)
	WideBody - 995204PE8 Series - 580(L) x 510(W) x 95(D) (mm) (with 8Amp SMART PSU)
	Rack Mount - 995220PEI Series - 2RU 680(L) x 420(W) x 85(D) (mm) (with 3Amp SMART PSU)
PCB Size Code:	Integriti "B" size
PCB Dimensions:	200(L) x 94(W) x 45(D) (mm)
Weight:	300g (For PCB & accessories Only)
Installation Environment:	0ºC - 70ºC @15% - 90% Relative humidity (non-condensing)

Electrical (For PCB Only)

Power Supply Input:	11V to 14VDC
Current Consumption:	60mA standby. 100mA with both Aux relays on

NOTE: Current consumption does not include the current required by detectors or other external devices such as buzzers, lamps or any device attached to the DET+, LAN+ and UniBus connections

Contact Ratings

Aux Relays:	2 Amps @ 30VDC

Connections

Zone Inputs:	8 x Multistate Zone Inputs
Aux Outputs:	2 x Relay Output NO|COM|NC
Cabinet Tamper:	2 pin connection for cabinet tamper switch
UniBus Port:	1 x UniBus Host expansion port
RS-485 LAN:	1, Includes LAN+, LAN-, A, B. (LAN addressing set via DIP switches)
Siren Outputs:	1 x Internal & 1 x External variable tone Siren Outputs*
Power Supply:	1 x Integriti External Power Supply Connection
Power Outputs:	4 x 13.75Vdc nominal outputs (DET+/DET- Detector Power)

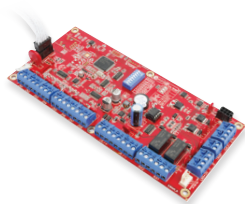### External Power Supply Monitoring (Compatible with IR SMART PSU Devices)

AC Fail:	External PS AC Fail
Low Battery:	External PS Low Battery
LAN Fuse:	External PS LAN Fuse
Detector Fuse:	External PS Detector Fuse
Low Volts:	External PS Low Volts
PSU Fail:	External PS Fail

Compliance

Electrical	☑ CE
Environmental	RoHS

*Siren drivers fitted from PCB revision "B"

Ordering Options

996005PCB&K
8 Zone LAN Expander Module PCB & Kit

UniBus expansion options to suit above
See separate data sheets for UniBus devices

996500PCB&K
UniBus 8 Zone Expansion device

996515PCB&K
UniBus 8 Relay(Aux) Expansion device

996540PCB&K
UniBus 16 Floor Lift Interface device

Enclosure Options

995200PEI series enclosure shown

Enclosures for Australia
Small - 995200PEI with 2Amp PSU
Small - 995200PE3 with 3Amp SMART PSU
Medium - 995201PEI with 3Amp SMART PSU
XLarge - 995203PEI with 3Amp SMART PSU
XLarge - 995203PE8 with 8Amp PSU
WideBody - 995204PE8 with 8Amp SMART PSU
WideBody - 995204PE3 with 3Amp SMART PSU
Rack Mount - 995220PEI 2RU drawer with 3Amp SMART PSU*
Rack Mount - 995220PE8 2RU drawer with 8Amp SMART PSU

Please see Enclosure Data Sheets for PCB layout guides.
* Suitable for 995203 series XLarge enclosures only
** Product scheduled for future release in Europe

Spare Mounting Plates for Enclosures
999026 - Medium mounting plate to suit Integriti PCB's
999023 - Medium mounting plate to suite Concept PCB's
999006 - Large mounting plate to suite Concept or Integriti PCB's*
999027 - 2nd tier hinged expansion plate to suit WideBody enclosure

Enclosures for Europe
Small - 995200PEEUI with 2Amp PSU
Small - 995200PEEU3 with 3Amp SMART PSU
Medium - 995201PEEUI with 3Amp SMART PSU
XLarge - 995203PEEUI with 3Amp SMART PSU
XLarge - 995203PEEU8 with 8Amp PSU**
WideBody - 995204PEEU8 with 8Amp SMART PSU**
WideBody - 995204PEEU3 with 3Amp SMART PSU
Rack Mount - 995220PEEUI 2RU drawer with 3Amp SMART PSU
Rack Mount - 995220PEEU8 2RU drawer with 8Amp SMART PSU**