DATA SHEET
8 Zone LAN Expander

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. Up to 99 Zone Expander Modules can be connected to the RS-485 LAN or via IP LAN if connected using Ethernet Bridge or CLOE devices.**

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, Ethernet Bridge or CLOE modules is recommended.*
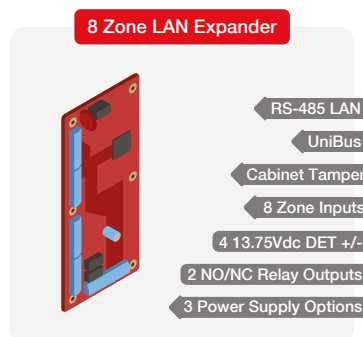
UniBus Device Compatibility Guide		UniBus Host Module			
		ISC	IAC	8 Zone Expander	ILAM
UniBus Device	8 Zone Expander	2	0	3	0
	8 Relay Expander	4	2	4	2
	2 Door / 2 Reader Expander	0	3	0	3
	16 Floor Lift Interface	6	6	6	6
	RS-232/RS-485 UART	4	4	0	0
	Analogue Expander	4	0	6	0

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
- 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

Connectivity

8 Zone LAN Expander

- RS-485 LAN
- UniBus
- Cabinet Tamper
- 8 Zone Inputs
- 4 13.75Vdc DET +/-
- 2 NO/NC Relay Outputs
- 3 Power Supply Options

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*

Specifications

Physical

Enclosure Options:	XSmall - 252(L) x 263(W) x 85(D) (mm): Part# 995200XS
	Small - 252(L) x 358(W) x 85(D) (mm): Part# 995200PE2 or 995200PE3
	Medium - 460(L) x 358(W) x 85(D) (mm): Part# 995201PE2, 995201PE3 or 995201PE8
	XLarge - 702(L) x 358(W) x 85(D) (mm): Part# 995203PE2, 995203PE3 or 995203PE8
	WideBody - 580(L) x 510(W) x 95(D) (mm): Part# 995204PE3 or 995204PE8
	Rack Mount - 2RU 680(L) x 420(W) x 85(D) (mm): Part# 995220PE2, 995220PE3 or 995220PE8
PCB Size Code:	Integriti "B" size
PCB Dimensions:	200(L) x 94(W) x 45(D) (mm)
Shipping Weight:	260grams (Circuit Board and 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)
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	
Environmental	RoHS

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

995200PE3 small enclosure shown

Spare Mounting Plates for Medium, Large and WideBody Enclosures

999026 - Medium mounting plate to suit Integriti PCB's

999023 - Medium mounting plate to suit Concept PCB's

999006 - Large mounting plate to suit Concept or Integriti PCB's***

999027 - 2nd tier hinged expansion plate to suit WideBody enclosure

Enclosures

Small
995200PE2/995200PEEU2 - 2Amp PSU*
995200PE3/995200PEEU3 - 3Amp SMART PSU*

Medium
995201PE2/995201PEEU2 - 2Amp PSU*
995201PE3/995201PEEU3 - 3Amp SMART PSU*
995201PE8 - 8Amp SMART PSU

XLarge
995203PE2/995203PEEU2 - 2Amp PSU*
995203PE3/995203PEEU3 - 3Amp SMART PSU*
995203PE8 - 8Amp SMART PSU

WideBody
995204PE3/995204PEEU3 - 3Amp SMART PSU*
995204PE8 - 8Amp SMART PSU

Rack Mount Drawer
995220PE2/995220PEEU2 2RU - 2Amp PSU*
995220PE3/995220PEEU3 2RU - 3Amp SMART PSU*
995220PE8 2RU - 8Amp SMART PSU

Please see enclosure section or website for further details on enclosures.
Part numbers containing "EU" are for the European market
* Additional external power may be required for 2 and 3Amp models.
*** Suitable for 995203 series enclosures only