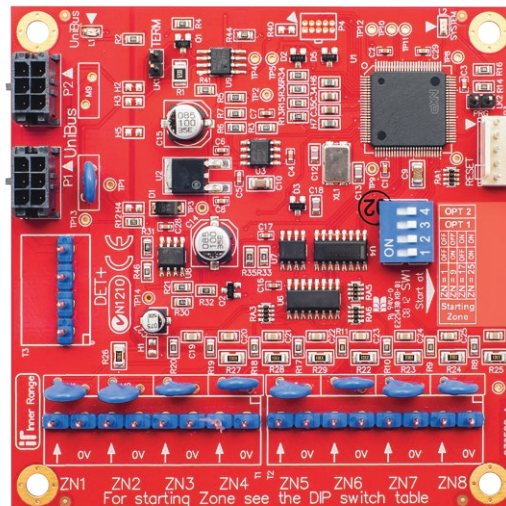# Integriti UniBus 8 Zone Expander

The UniBus 8 Zone Expander connects to an Integriti Security Controller (ISC), 8 Zone Expander or 16 Zone Expander Module via the UniBus Port. It provides an additional 8 Zone Inputs that support all Integriti Zone Types including Multistate and Counter types along with extra detector power supply connections (DET+) to simplify device wiring. The UniBus 8 Zone Expander is designed for installation within the same enclosure as its UniBus host module.

## Host Module Compatibility

The 8 Zone UniBus Expander is compatible with the following UniBus Host Modules:

Integriti ISC Controller (Part. 996001)  Connect up to 2
Integriti 16 Zone RS-485 LAN Expander *Connect up to 2
Integriti 8 Zone RS-485 LAN Expander *Connect up to 4

*These host modules are planned for future release

## Features

- 8 Universal Zone Inputs
- Support for Multistate EOL circuits
- Support for counter type inputs
- Programmable de-bounce times
- DIP switch addressable first zone 1, 9, 17 or 25
- UniBus loop-through connectors
- 4 Way DET+ 13.75V outputs
- 2 LED status / fault indicators
- Surge protected inputs
- Over-The-Wire firmware upgradable
- Integriti "C" size footprint 94 x 94mm
- Can be installed above other "C" size PCB's**
- A Snap off strip is included to allow installation above Integriti "B" size PCB's**

*** 35mm standoff kit required - Part Number 999009*

## UniBus In-Cabinet Expansion

UniBus is an innovative in-cabinet bus which allows the connection of Expansion modules, Communications modules and Door & Reader Modules on a common Plug & Play bus.

UniBus is built on the highly reliable CANBus technology and replaces the need for ribbon cables and specialised connectors
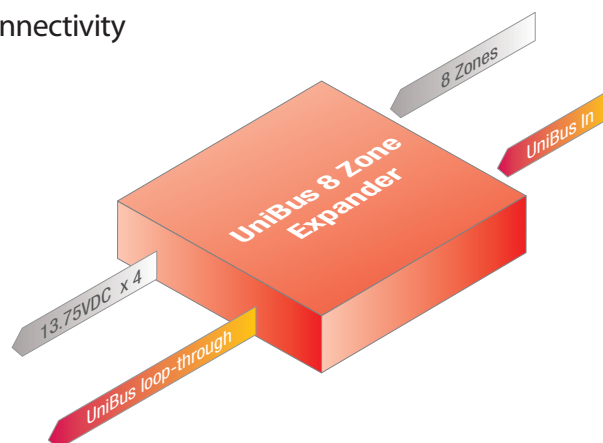
*Up to six UniBus modules can be daisy chained to an ISC controller*
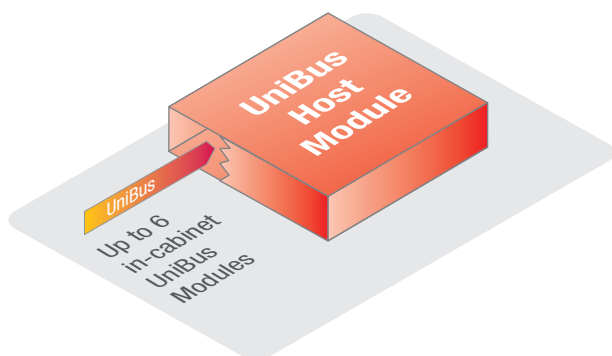
## UniBus Modules Available

- 8 Auxiliary Relay Card
- 2 Port RS-232/RS-485 Serial Card
- 4 Zone Industrial Analogue input card*

*UniBus device planned for future release*

## Connectivity

inner range

## UniBus Installation



UniBus Devices are designed for installation within the same enclosure as the UniBus host module. A UniBus host can interface a maximum of six UniBus devices in any combination, provided they are all within the intended functionality of the host module

## Specifications

### Physical

| | |
|---|---|
| PCB size code: | Integriti "C" size |
| PCB size: | 94(L) x 94(W)(mm) |
| PCB size including snap off strip: | 105(L) x 94(W)(mm) |
| Height: | 15(D)(mm) (28mm with UniBus cable connected) |
| Installation environment: | 0ºC - 40ºC @15% - 85% Relative humidity(non-condensing) |

### Electrical

| | |
|---|---|
| Power Supply Input: | 11V to 14V DC via host module |
| Static Current Consumption: | 75mA. (not including detector power) |
| DET+: | Output Voltage 13.75V DC - sourced from host |
| DET+ Output Current: | Limited to available current from host |

### Connections

| | |
|---|---|
| Zone Inputs: | 8 |
| DET+ Out: | 4 |
| UniBus Port: | 1 |
| UniBus loop-through port: | 1 |
| Connection to Host Module: | Via 270mm UniBus patch lead (supplied) |

### Power Considerations

The UniBus host module supplies DET+ current and static device current to all connected UniBus devices.

Total current consumption is therefore the sum of all:
- Static Current of all connected UniBus devices
- Static Current of host module
- Host module battery charging current
- Ancillary devices connected to all DET+ connections
- Ancillary devices connected to host module's RS485 LAN+
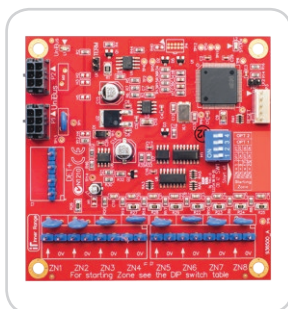
### Compliance

| | |
|---|---|
| Electrical | C (CE) |
| Environmental | RoHS |

## Ordering Options



Integriti UniBus 8 Zone Input Expander PCB & Accessories (Includes 270mm UniBus patch cable)

**Part 996500PCB&K**



Spare UniBus patch cables

**Part 996791L** UniBus Patch Cable 270mm six way

**Part 996791S** UniBus Patch Cable 220mm six way

PRO636500 Integriti UniBus 8 Zone Expander Data Sheet April 2013

The specifications and descriptions of products and services contained in this datasheet were correct at the time of publishing. Inner Range reserves the right to change specifications or withdraw products without notice

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