

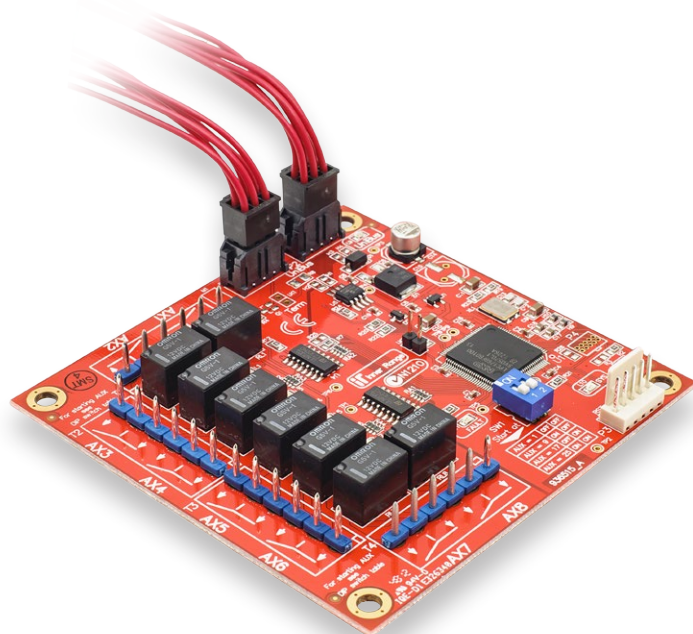
The UniBus 8 Relay Expander Board provides eight independent, high current normally open or normally closed relay outputs, offering a general purpose interface in applications such as warning devices (strobes, etc.), building automation, process control and access control. The UniBus 8 Relay Expander is designed for installation within the same enclosure as its UniBus host module. The board is connected directly to the host module or another UniBus Board via the UniBus cable supplied.

Host Module Compatibility

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

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

**These host modules are planned for future release*



Features

- 8 Universal Relay Outputs
- Normally Open or Normally Closed outputs per relay
- DIP switch addressable first Auxiliary (Relay) 1, 9, 17 or 25
- UniBus loop-through connectors
- 2 LED status / fault indicators
- 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

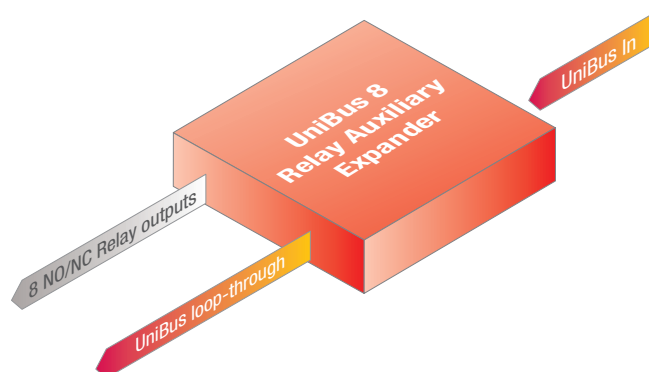
Up to six UniBus modules can be daisy chained to an ISC controller

UniBus Modules Available

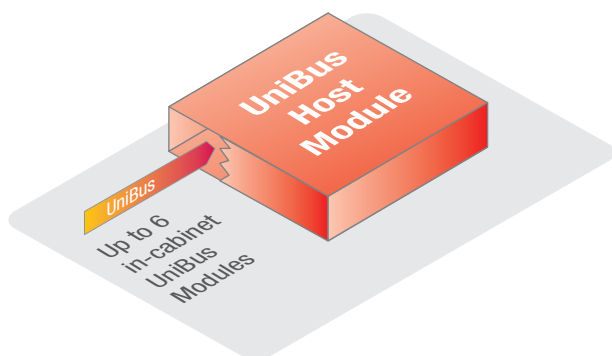
- 8 Zone Input Expander
- 2 Port RS-232/RS-485 Serial Card
- 4 Zone Industrial Analogue input card*

**UniBus device planned for future release*

Connectivity



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:	0°C - 40°C @ 15% - 85% Relative humidity (non-condensing)

Electrical

Power Supply Input:	11V to 14V DC via host module
Static Current Consumption:	45mA PLUS 16mA per relay Approximately 175mA when all Relays are on

Contact Rating

Maximum switching current:	1.0 Amp @ 24VDC, or 0.5 Amp @ 50VAC (Per Relay) NOTE: While the relays have higher AC Voltage contact ratings, the manufacturer does not recommend connection of AC voltages above 50VAC to the relay contact connections.
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Connections

Relay Contacts:	8 x NO/NC outputs - 24 Connections
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

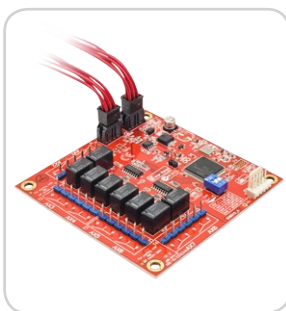
Electrical



Environmental



Ordering Options



Integriti UniBus 8 Relay Auxiliary Expander PCB & Accessories (Includes 270mm UniBus patch cable)

Part 996515PCB&K



Spare UniBus patch cables

Part 996791L UniBus Patch Cable 270mm six way

Part 996791S UniBus Patch Cable 220mm six way