

The UniBus 2 Port UART provides 2 high speed, software configurable, Serial Ports allowing connection of serial peripheral devices.

Up to 4 UniBus UART devices may be connected to an Integrati Security or Access Controller. DIP switch options allow each Port to be configured for RS-232 or RS-485 operation.

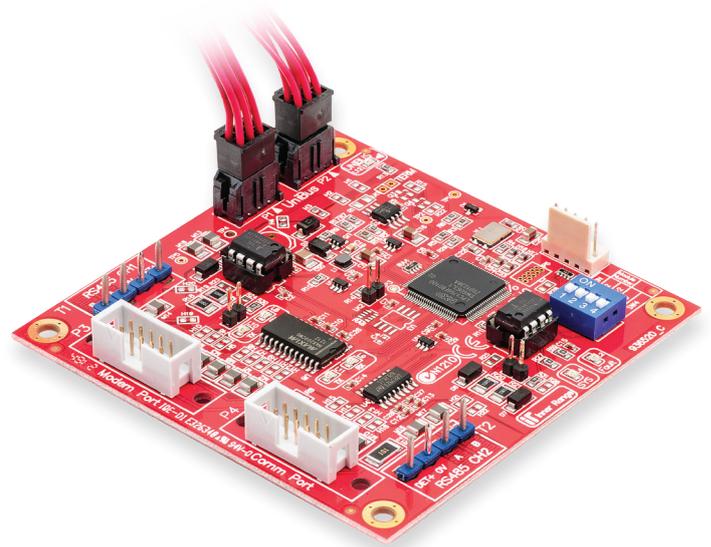
The UniBus 2 Port UART is designed for installation within the same tamper-protected enclosure as its UniBus host module. The UniBus device is connected directly to the host module or another UniBus device via the UniBus patch cable supplied.

Specific RS-232 cables are available separately for the connection of a computer, modem or other serial devices including the Inner Range GSM modem or Multipath IP STU.

Host Module Compatibility

The UniBus 2 Port UART is compatible with the following UniBus Host Modules:

- Integrati ISC Controller (Part. 996001 series) - Connect up to 4
- Integrati IAC Controller (Part. 996035PCB&K) - Connect up to 4



Aiphone GT Series Intercom Integration

Use the UniBus UART to interface to the Integrati - Aiphone GT Series DIN Rail Interface
See page 66 for further details.



IIS (Kenwei) Intercom Integration

Use the UniBus UART to interface directly to the IIS (Kenwei) Apartment Series Intercoms RS-485 LAN for a powerful integrated solution.



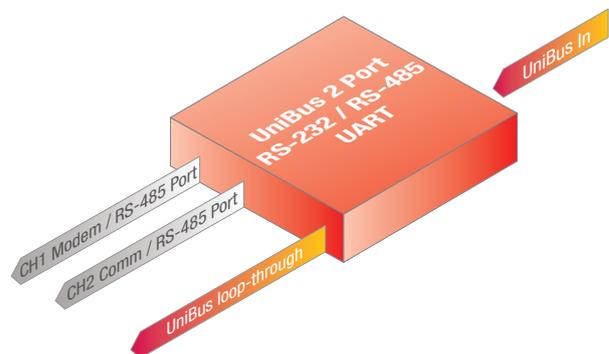
| UniBus Device Compatibility Guide | UniBus Host Module | | | |
|--|--------------------|----------|-----------------|----------|
| | ISC | IAC | 8 Zone Expander | ILAM |
| 8 Zone Expander | 2 | 0 | 3 | 0 |
| 8 Relay Expander | 4 | 4 | 4 | 2 |
| 2 Door / 2 Reader Expander | 0 | 3 | 0 | 3 |
| 16 Floor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

Features

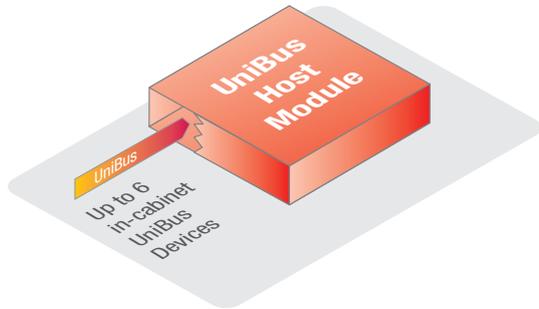
- 2 Software configurable UART Ports
 - Channel 1 - RS-232 Modem / RS-485 Port
 - Channel 2 - RS-232 Comm / RS-485 Port
- DIP switch addressable module number 1, 2, 3 or 4
- DIP switch selectable CH1/CH2 mode, RS-232 or RS-485
- LED indication of CH1 & CH2 RX & TX activity
- LED UniBus status indicator
- 2 LED system status/fault indicators
- UniBus loop-through connectors
- Over-the-wire firmware upgradable
- Integrati "C" size footprint 94 x 94mm
- Can be installed above other "C" size PCBs**
- A Snap off strip is included to allow installation above Integrati "B" size PCBs**

** 35mm standoff kit required - Part Number 999009

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 - 70°C @15% - 90% Relative humidity (non-condensing)) |

Electrical

| | |
|-----------------------------|-------------------------------|
| Power Supply Input: | 11V to 14V DC via host module |
| Static Current Consumption: | 40mA PLUS 5mA per active port |

Connections

| | |
|----------------------------|--|
| Port 1: | CH1 Modem Port or RS-485 |
| Port 2: | CH2 Comm Port or RS-485 |
| UniBus Loop-through Port: | 1 |
| Connection to Host Module: | Via 270mm UniBus patch lead (supplied) |

Communications Formats

| | |
|-----------------|--|
| Port 1 (Modem): | Supports any Comms Task format that requires UART Serial Port communications, including all "Modem" Comms Task formats. |
| Port 2 (Comm): | Supports the Comms Task formats that utilize TXD/RXD and CTS/RTS for UART Serial Port communications. <i>"E Modem" and any formats that require CD, DSR, DTR or RI signals are not supported. Use Port 1 for these formats.</i> |

Power Considerations

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

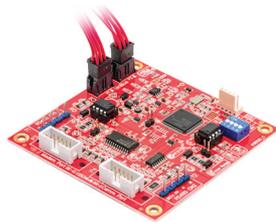
Total current consumption is, therefore the sum of all:

- 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 RS-485 LAN+

Compliance

| | |
|---------------|--|
| Electrical | |
| Environmental | |

Ordering Options



996520PCB&K
Integriti UniBus 2 Port RS-232/RS-485 UART PCB & Accessories (Includes 270mm UniBus patch cable)



Spare UniBus patch cables
996791SS - UniBus Patch Cable 150mm
996791S - UniBus Patch Cable 220mm
996791L - UniBus Patch Cable 270mm
996791LL - UniBus Patch Cable 475mm
996791XL - UniBus Patch Cable 675mm



Serial Port Patch Cables
993009 - Computer interface cable(DB9)
993026 - Serial Printer interface cable(DB25)
993027 - Modem interface cable(DB25)
993035 - Securitel interface cable(Flying leads)
995009 - Internal PC Interface cable kit.

Installed inside the cabinet to the DB9 knockout, to provide an external DB9 serial connection.