

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 Integrity Security or Access Controller. DIP switch options allow each Port to be configured for RS-232 or RS-485 operation.

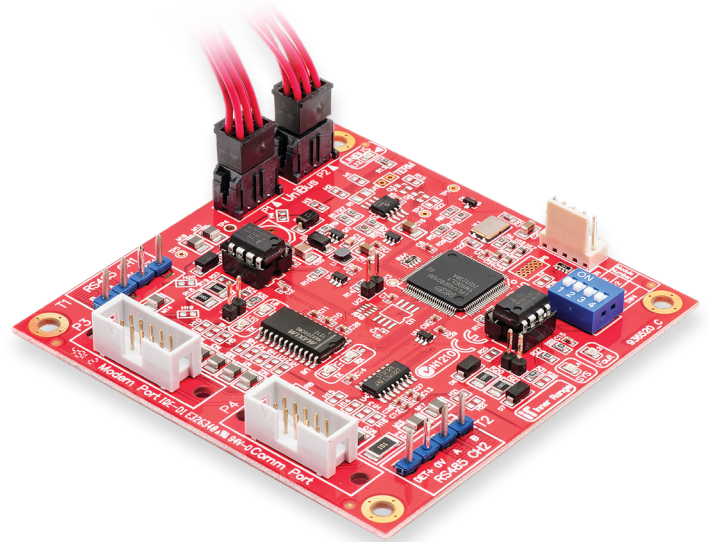
The UniBus 2 Port UART is designed for installation within the same tamper-protected enclosure as its UniBus host module. The UniBus device is connected directly to the host module or another UniBus device via the UniBus patch cable supplied.

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:

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



## AIPHONE®

### Aiphone GT Series Intercom Integration

Use the UniBus UART to interface to the Integrity - Aiphone GT Series DIN Rail Interface



### 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	2	4	2
2 Door / 2 Reader Expander	0	3	0	3
16 Floor Lift Interface	6	6	6	6
<b>RS-232/RS-485 UART</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>
Analogue Expander	4	0	6	0

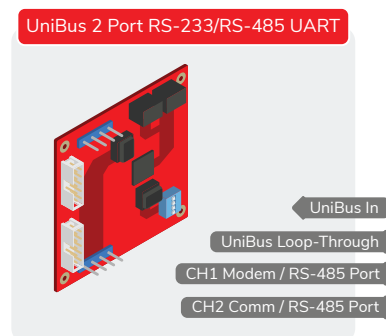
\*Relays can be used for general purpose outputs when mapped to Aux 1~16 on IAC, and cannot be mapped to Aux 17~32

## Features

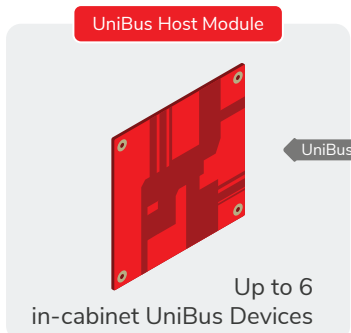
- 2 Software configurable UART Ports
  - Channel 1 - RS-232 Modem / RS-485 Port
  - Channel 2 - RS-232 Comm / RS-485 Port
- DIP switch addressable module number 1, 2, 3 or 4
- DIP switch selectable CH1/CH2 mode, RS-232 or RS-485
- LED indication of CH1 & CH2 RX & TX activity
- LED UniBus status indicator
- 2 LED system status/fault indicators
- UniBus loop-through connectors
- Over-the-wire firmware upgradable
- Inner Range "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 Inner Range "B" size PCB's\*\*

\*\* 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:	Inner Range "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)
Shipping Weight:	150gram
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. "E Modem" and any formats that require CD, DSR, DTR or RI signals are not supported. Use Port 1 for these formats.

### 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

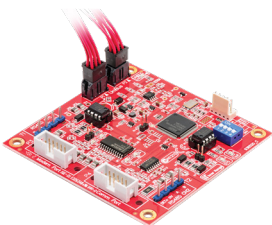
Electrical



Environmental



## Ordering Options



**996520PCB&K**  
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.