

## Serial and Ethernet UART Boards

Plugging directly on to the Control Module, Serial UART boards provide up to four high-speed, software configurable, serial ports to allow interaction with third party building automation systems and connection of peripheral serial devices to the Concept 4000 Control Module.

The Ethernet UART provides a 10BaseT Ethernet connection between the Concept 4000 control module and Insight software in addition to up to three serial ports. This allows communications over LANs, WANs, VPNs and the internet.

The dedicated IP based Insight protocol combined with the 128 bit AES encryption allows users seamless administration of earth spanning access and security systems.

Up to four simultaneous connections can be maintained via the UART board - an operator using Insight can be communicating with a Control Module whilst the Control Module is interacting with building automation systems, high level lift interfaces, Multipath STU's, Printers or GSM units.

Specific cables are available for connection to printers, modems, PCs and 3rd party interfaces.



### Features:

- Allows up to four concurrent, high level serial connections
- Serial UART available in Single, Dual or Quad port versions
- Ethernet UART available in Single (Ethernet + 1 serial) or Multiport (Ethernet + 3 serial) versions
- Plugs directly on to the Concept 4000 Control Module
- Allows communication speeds of up to 38,400 baud
- Home Automation Serial Communication format is provided with the use of the Multiport Ethernet UART

### SPECIFICATIONS

#### Physical

PCB Dimensions	115(L) x 104(W) (mm)				
Installation Environment	0°C - 40°C @15% - 85% Relative Humidity (non-condensing)				

#### Electrical

Input Voltage to PCB	Via Host Control Module				
	<b>1 Port Serial</b>	<b>2 Port Serial</b>	<b>4 Port Serial</b>	<b>Ethernet + 1 Serial</b>	<b>Ethernet + 3 Serial</b>
Operational Current (Min).	80mA	80mA	100mA	120mA	160mA
Serial Ports (Full RS232)	1	2	4	1	1 + 2 x TxD/RxD and RTS/CTS
					Allows Automation Comms Format
Max. Baud Rate	Supports a max of 38,400 baud. Note that if all 4 serial ports are used, the sum of the baud rates must not exceed 38,400; (e.g. Port 1-19,200, Port 2-9,600, Port 3-9,600).				

### Ordering Options

**995065**  
1 Port Serial UART



**995066**  
2 Port Serial UART



**995068**  
4 Port Serial UART



**995090**  
Ethernet UART +1 Serial Port



**995091**  
Multiport Ethernet UART  
(1 Ethernet + 3 Serial Ports)  
Allows Automation Comms Format

