

INS008

Remote Interface Module for
interfacing RS-485 and RS-232
communication to Ethernet

- Supports a monitored Ethernet link between two connected RIM1000E modules
- Selectable RS-485 and RS-232 to Ethernet interfaces supported
- Supports a transparent point to point bi-directional communication channel



The INS008 provides a protocol independent Ethernet communication channel. The module supports TCP Server, TCP Client, UDP and UDP Server Ethernet protocols.

FEATURES

- Once fitted, the module is transparent to the user
- Provides a simple LAN communication which is channel easy to install and debug
- Routing of data between RS-232/RS-485 is selectable and configured using a simple USB interface
- Product is DIN rail mountable
- Serial port baud rates supported range from 300bps to 1024Kbps
- The INS008 has a built-in web page for configuring the device
- An RJ45 status indicator light is used to provide status on data activity
- Front fascia LEDs system status indication
- Diagnostic information available via a USB interface
- Support for Auto-MIDX function, which uses automatic switching to connect to cross-over or direct network cable.
- Supports a simple communication link via LAN for 3 or 12 bi-directional Input/Output channels when used with the RIM100M-3/12 module

The INS008, is designed to provide a selectable RS-485/RS-232 interface to Ethernet. The module supports pairing of modules to introduce a transparent data link which can be set to monitor the link and indicate loss of the link via an output relay.

The module is housed in a DIN rail mountable enclosure, with LED status indication visible on the front fascia of the module.

The equipment is designed to include an activity “heartbeat” signal for monitoring by any third-party application to which it is interfaced.

The INS008 is approved for use with the IVIEW fire system monitoring application tool.

SPECIFICATIONS

DIMENSIONS

Dimensions:	99.1 X 111.9 X 22.5 mm
Weight:	200g
Mounting:	DIN Rail

POWER

Operating voltage:	18 to 36V (24V DC nominal)
Current Rating:	150mA (at 24V)

INTERFACES

- Port A (Ethernet):
RJ45 Interface with built-in isolation transformer
- 2kV isolation
- Port B (RS-485):
1 - Earth
2 - Shield
3 - Data+
4 - Data- with Fixed Termination (1200)
Baud Rate - 9600 to 115200 (configurable)
- Port C (RS-232):
1 - Shield
2 - Rx (IN)
3 - Tx (OUT)
4 - Earth with Standard RS-232 interface
Baud Rate - 9600 to 115200 (configurable)
- Port D (PSU):
1 - +18V TO 36V DC
2 - 0V
3 - No Connect
4 - Earth
- USB: USB Micro-B connection (Device / Slave Mode)

TEMPERATURE

Operating:	-10 to 50°C
Storage:	-40 to 70°C

AGENCY APPROVALS AND STANDARDS

- CE, UKCA, RoHs, WEEE compliant
EMC: EN 61000-6-2
EMC: EN 61000-6-4
Safety: EN 60950

WIRING DIAGRAM

