



QE20

## QE20-FP2005 QE20 RS485 Network Module Kit

The **QE20-FP2005 RS485 Network Module** is required in a networked QE20, however a second network module needs to be fitted for "joined" audio segments. For a fibre optic network, one of the following network kits will also be required:

QE-FP2024 – QE20 Fibre Network Kit – Single Mode  
QE-FP2025 – QE20 Fibre Network Kit – Multi Mode

### The RS485 Network Module provides:

- 2 x separately isolated RS485 ports with 4wire (separate TX/RX) / 2wire connections with optional earth fault supervision (in conjunction with QE20 Controller Module)
- 2 x network audio connections for speech (PA) and WIP with optional EOL supervision
- 2 x non isolated GP inputs with 4state supervision for general purpose functions
- 2 x non isolated open-collector GP outputs with optional load supervision and programmable functions
- 1 x RJ45 ethernet connector for connection to the QE20 Controller Module
- 1 x TTL serial port for connection to the PIB in the optional Fibre Network Module
- PA & WIP audio connections to the VIF module in the optional Fibre Network Module
- 1 x QECOMMS port for connection to the VIF module in the optional Fibre Network Module
- WIP audio chain left & right connections to WIP/Input Modules & Controller Module

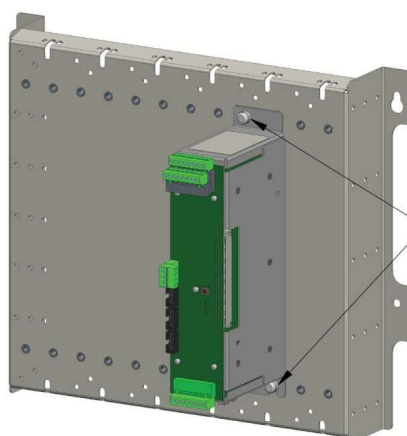
### Each kit contains:

- 1 x RS485 Network Module
- 1 x RJ45 ethernet lead, 200mm long
- 1 x RJ45 ethernet lead, 300mm long
- 2 x RJ45 ethernet lead, 1200mm long
- 2 x M6 x 10mm mounting screws
- 1 x Installation guide

### General Specifications\*:

|                    |  |
|--------------------|--|
| Operating voltage: | 18-32Vdc   |
| Operating current: | 115 mA typ @24Vdc  |
| Operating Temp:    | -5°C to +45°C, 10-93% RH   |
| RS485 ports x2:    | Separately isolated TX+, TX-, RX+, RX-, 4wire, link selectable 2wire   |
| GP inputs x 2:     | Open (>20k), normal (10k), alarm (680E) short (<270E). Non isolated. 10k pull-up to 24V supply                               |
| GP outputs x 2:    | Open collector pull-down 100mA <1V on; Load supervised >12V required for norm. 250uA supervision current when output is off. |
| Ethernet:          | 10/100BaseT RJ45 to controller port 2 or port 3  |

\*Detailed specifications listed on QE20-FP2005 Installation Guide



Mount RS485 Networking Module with two M6 x 10 Screws provided with module.

All specifications and other information shown were current as of document revision date and are subject to change without notice. Ver 1.01 08/2024