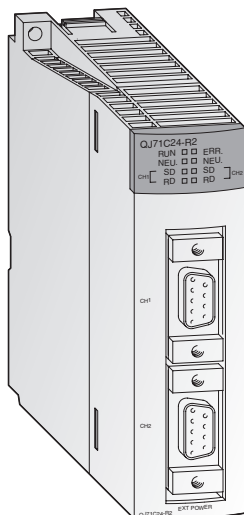


Interface Modules



Data exchange with peripheral devices

This module enables communication with peripheral devices via a standard RS232 interface. The peripherals are connected point-to-point on a 1:1 basis.

Special features:

- The QJ71C24N provides one RS232 and one RS422/485 interface. The QJ71C24-R2 provides two RS232 interfaces and the QJ71C24N-R4 two RS422/485 interfaces.
- Enables PCs connected to the system to access the full data set of the MELSEC System Q CPU using graphic process supervision or monitoring software
- Integrated flash ROM memory for logging quality, productivity or alarm data that can be printed out when required
- Module and communications status shown by LEDs
- Communications test and monitor function are possible with the software GX-Configurator UT

| Specifications | | QJ71C24N | QJ71C24N-R2 | QJ71C24N-R4 | QJ71MB91 |
|-------------------------------------|--------------------|--|--|--|--------------------------------|
| Interface | channel 1 | RS232 (9-pin Sub-D) | RS232 (9-pin Sub-D) | RS422/RS485 (screw terminals) | RS232 (9-pin Sub-D) |
| | channel 2 | RS422/RS485 (screw terminals) | RS232 (9-pin Sub-D) | RS422/RS485 (screw terminals) | RS422/RS485 (screw terminals) |
| Communications mode | | Full duplex/half duplex | Full duplex/half duplex | Full duplex/half duplex | Full duplex/half duplex |
| Synchronisation | | Asynchronous communications | Asynchronous communications | Asynchronous communications | Master/Slave |
| Data transfer | Rate | 50–230400 (channel 1 only) 115200 (channel 1+2 simultaneously) | 50–230400 (channel 1 only) 115200 (channel 1+2 simultaneously) | 50–230400 (channel 1 only) 115200 (channel 1+2 simultaneously) | 300–115200 |
| | Distance RS232 | 15 m | 15 m | — | 15 m |
| | Distance RS422/485 | 1200 (if both channels are used) | — | 1200 (if both channels are used) | 1200 |
| Netzwerk Konfiguratin | | RS232: 1:1 RS485: 1:1; 1:n;n: 1; m:m | 1:1 | RS232: 1:1 RS485: 1:1; 1:n;n: 1; m:m | Master (32 slaves) Slave (242) |
| Data format | | 1 start bit, 7 or 8 data bits, 1 or 0 parity bits, 1 or 2 stop bits | 1 start bit, 7 or 8 data bits, 1 or 0 parity bits, 1 or 2 stop bits | 1 start bit, 7 or 8 data bits, 1 or 0 parity bits, 1 or 2 stop bits | Modbus RTU |
| Error correction | | Parity check, checksum | Parity check, checksum | Parity check, checksum | — |
| DTR/DSR control | | YES/NO selectable | YES/NO selectable | — | — |
| X ON/X OFF (DC1/DC3) | | YES/NO selectable | YES/NO selectable | YES/NO selectable | — |
| I/O points | | 32 | 32 | 32 | 32 |
| Internal power consumption (5 V DC) | | 310 mA | 260 mA | 390 mA | 310 mA |
| Weight | | 0.2 kg | 0.2 kg | 0.2 kg | 0.2 kg |
| Dimensions (WxHxD) | | 27.4x98x90 mm | 27.4x98x90 mm | 27.4x98x90 mm | 27.4x98x90 mm |
| Order information | | Art. no. 149500 | 149501 | 149502 | 167757 |