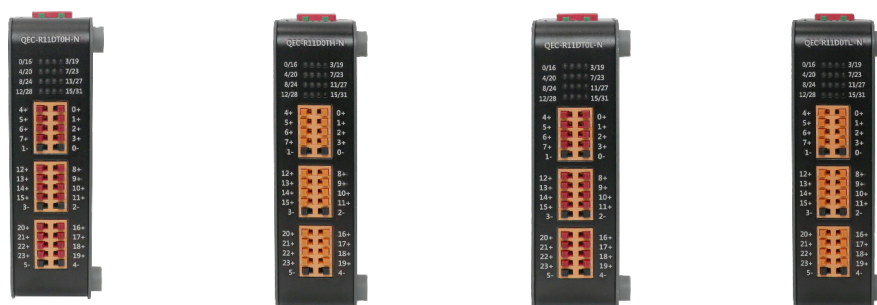




## Specifications

| Model Name                        | QEC-RXXDT0H                                            | QEC-RXXD0TH                         | QEC-RXXDT0L                      | QEC-RXXD0TL                         |
|-----------------------------------|--------------------------------------------------------|-------------------------------------|----------------------------------|-------------------------------------|
| Digital Type                      | Input                                                  | Output                              | Input                            | Output                              |
| I/O Type                          | Sink (NPN)                                             | Sink (NPN)                          | Sink (NPN)                       | Sink (NPN)                          |
| Channel                           | 32                                                     | 32                                  | 32                               | 32                                  |
| I/O Frequency                     | 8KHz                                                   | 8KHz                                | —                                | —                                   |
| Propagation delay time            | 150 ns                                                 | 50 μs                               | 150 ns                           | 50 μs                               |
| Mailbox Service                   | Yes                                                    | Yes                                 | No                               | No                                  |
| Distributed clocks                | Yes                                                    | Yes                                 | No                               | No                                  |
| Digital Input                     |                                                        |                                     |                                  |                                     |
| Load Voltage                      | Max. 40 VDC                                            | —                                   | Max. 40 VDC                      | —                                   |
| Digital Output                    |                                                        |                                     |                                  |                                     |
| MOSFET                            | —                                                      | MOSFET                              | —                                | MOSFET                              |
| Load Voltage                      | —                                                      | Max. 40 VDC                         | —                                | Max. 40 VDC                         |
| Load Current                      | —                                                      | 250 mA                              | —                                | 250 mA                              |
| General                           |                                                        |                                     |                                  |                                     |
| Connector                         | 32-channel Push-in Terminal (Euroblock)                |                                     |                                  |                                     |
| Connector Color                   | Positive: Red<br>Negative: Black                       | Positive: Orange<br>Negative: Black | Positive: Red<br>Negative: Black | Positive: Orange<br>Negative: Black |
| Protocol                          | EtherCAT (RJ-45 x 2)                                   |                                     |                                  |                                     |
| Ethernet Standard                 | IEEE 802.3                                             |                                     |                                  |                                     |
| Transmission Rate                 | 100 Mbps                                               |                                     |                                  |                                     |
| Power Connector                   | 4-pin Power Input/Output & 2-pin FGND                  |                                     |                                  |                                     |
| Power Requirement                 | +19 to +50 VDC Power Input (Typ. +24 VDC @ 100-140 mA) |                                     |                                  |                                     |
| Power Consumption                 | 3 W                                                    | 3 W                                 | 2.4 W                            | 2. 4W                               |
| LED Indicator                     | PWR, RUN, LINK, ERROR, DI/O status                     |                                     |                                  |                                     |
| Certifications                    | CE, FCC, VCCI                                          |                                     |                                  |                                     |
| Environment                       |                                                        |                                     |                                  |                                     |
| Isolation Protection, Optocoupler | 2500 Vrms                                              | 3750 Vrms                           | 2500 Vrms                        | 3750 Vrms                           |
| Operating Temperature             | -20 to +70 °C                                          |                                     |                                  |                                     |
| Hardware                          |                                                        |                                     |                                  |                                     |
| Dimension                         | 107.45 x 66 x 34 mm (Without DIN-Rail)                 |                                     |                                  |                                     |
| Weight                            | 245 g                                                  | 265 g                               | 245 g                            | 265 g                               |
| Installation                      | DIN Rail                                               |                                     |                                  |                                     |
| Internal Monitoring               | Yes                                                    | Yes                                 | No                               | No                                  |

Ordering Information

|               |                                                                   |
|---------------|-------------------------------------------------------------------|
| QEC-R00DT0H-N | EtherCAT High-speed Digital Input 32 channels modules.            |
| QEC-R11DT0L-N | EtherCAT Digital Input 32 channels modules/PoE.                   |
| QEC-R00D0TH-N | EtherCAT High-speed Digital Output 32 channels modules.           |
| QEC-R11D0TL-C | EtherCAT Digital Output 32 channels modules (board with coating). |

\* For detailed ordering information, please contact our sales staff or view the user manual.

Dimension

