

# Q.station XB | ETH

Ethernet add-on for Q.station-X

Q.station X is a high-performance edge controller for data acquisition, which provides accurate synchronization of measurement data, high-speed redundant data logging, and parallel communication over TCP/IP, CAN, ProfiNET, Modbus, and EtherCAT. The Q.station X comes with an optional full-featured programmable application controller designed for complex control and automation tasks.

- RS485 fieldbus interface up to 48 Mbps: LocalBus, up to 115.2 kbps: Modbus-RTU, ASCII
- Electromagnetic Compatibility according to EN61000-4 and EN55011
- Connectable to Controller Q.station X
- Power supply 10 ... 30 VDC
- DIN rail mounting (EN60715)



## Key Features

- Additional Ethernet Interface for operation in two independent networks
- Max. Data Transfer Rate 1000 Mbps
- Full Duplex Support
- Auto MDIX



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## Technical Data

Requires Q.series-X Controller: [Q.station-X](#)

This product consists of the Q.station-X controller with the extension as specified in this datasheet.

You can find the datasheet for the Q.station-X controller on the Gantner Instruments website.

All specifications and facts of the Q.station-X datasheet, if not stated otherwise, also apply to this device.

### CPU

|                       |   |
|-----------------------|---|
| Typ                   | Intel Atom E3826 Dual-Core 1.46 GHz           |
| RAM                   | 1 GByte, 500 MByte available for data storage |
| Flash                 | 4 GByte                                       |
| Real Time Clock (RTC) | Battery buffered                              |
| Watchdog              | Programmable                                  |
| OS                    | Real-time Linux                               |

### Ethernet Specifications

|                         |                                       |
|-------------------------|---------------------------------------|
| Host Interface          | PCI Express Mini Card Rev. 1.1        |
| Form factor             | Full Length Mini PCI Express          |
| Chipset ID              | Realtek RTL8111C                      |
| LEDs                    | 1x Gigabit Link<br>1x Activity        |
| ##supported standards## | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab |
| Max. data transfer rate | 1000 Mbps                             |
| Full Duplex Support     | Yes                                   |
| Auto MDIX               | Yes                                   |

### Environmental

|                       |                |
|-----------------------|----------------|
| Operating temperature | 0°C to +55°C   |
| Storage temperature   | -20°C to +85°C |
| Relative humidity     | 5 % to 95 %    |

### Mechanical information

|                          |                  |
|--------------------------|------------------|
| Material                 | Aluminum and ABS |
| Measurements (W x H x D) | 60x 145 x 135mm  |
| Weight                   | approx. 700 g    |
| Protection class         | IP20             |

### Ordering Information

|                |                                     |
|----------------|-------------------------------------|
| Article number | 641423                              |
| Accessories    | Gl.bench, article number -          |
|                | Gl.cloud, article number -          |
|                | Q.station XB, article number 506322 |

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