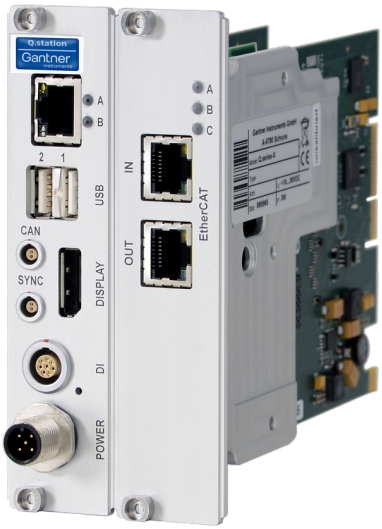
# Q.raxx X station T | EC

## EtherCAT add-on for Q.station-X

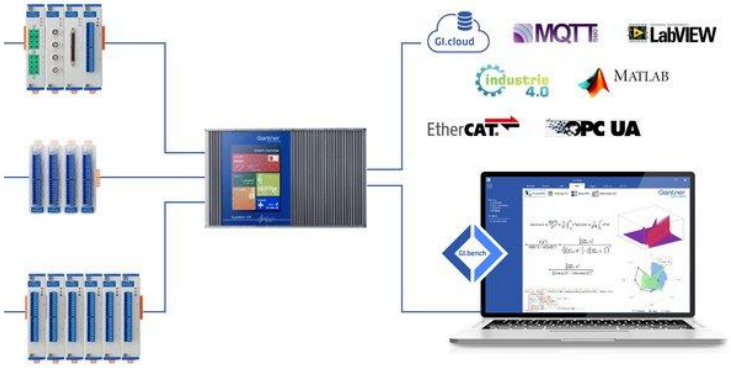
Q.station X is a high-performance edge controller for data acquisition, which provides accurate synchronization of measurement data, high-speed redundant data logging, and parallel communication over TCP/IP, CAN, ProfiNET, Modbus, and EtherCAT. The Q.station X comes with an optional full-featured programmable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

- High Density
  up to 13 I/O modules per Q.raxx 3U chassis with up to 16 channels per I/O module
- User Friendly
  front panel indicators for module status, power, and input range error
- Fully Customizable
  multiple front panel termination options available
- Maximum Flexibility
  parallel communication available in TCP/IP, CAN, PROFIBUS, Modbus, and EtherCAT
- Gantner's Quality Standard
  integrated filtering, galvanic isolation & signal/sensor conditioning per channel




### Key Features

- EtherCAT extension based on Ethernet standard



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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.

### EC Specifications

| | |
|---|---|
| Electrical standard | Ethernet |
| Data rate | 1024 Byte Data (253 variables read and 253 variables write) |
| Baud rate | 100 Mbps |
| Cycle time | ≥100 µs |
| isolation voltage | 500 V |

### Mechanical information

| | |
|---|---|
| Material | Aluminum |
| Measurements (W x H x D) | 60x 128 x 120mm |
| Weight | approx. 300 g |

### Ordering Information

| | |
|---|---|
| Article number | 584530 |
| Accessories | GI.bench, article number - |
| | GI.cloud, article number - |

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