

# Q.bloxx XE BC

Bus coupler for connection to EtherCAT Modules

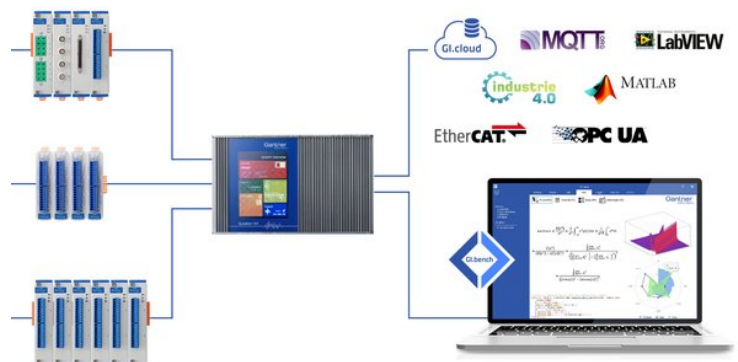
Q.bloxx XE is a new addition to the Q.series product family - the ideal EtherCAT DAQ solution for widely distributed installations that require higher performance and custom sensor terminations. Q.bloxx XE measurement modules possess integrated signal conditioning and arithmetic functions, packaged in modular, DIN Rail mountable enclosures that easily snap together for system expansion and are capable of measuring up to 100 kHz per channel with short cycle times and low jitter for accurate synchronization.

- RS-485, 2-wire, EtherCAT (LVDS)
- FoE (file access over EtherCAT, ETG.1000.5) and CoE (CAN over EtherCAT, ETG.50001.1)
- Configurable PDO mapping to optimize the data throughput
- Electromagnetic Compatibility according to EN61000-4 and EN55011
- Power supply 10 ... 30 VDC and DIN rail mounting (EN60715)



## Key Features

- Bus coupler for connection of the modules Q.bloxx EC  
Converting of the defined by EtherCAT LVDS (Low Voltage Differential Signal) on standard Ethernet
- Connection of up to 10 I/O-Modules  
Power supply and interface link for up to 10 modules (up to 80 measuring channels) via the rear industry-standard connectors
- EtherCAT IN/OUT  
2x RJ45 connectors
- USB interface for configuration  
Micro USB to configure the Q.bloxx EC measurement and I/O modules using the configuration software ICP100
- Power supply of the modules 10 VDC up to 30 VDC  
M12 connector for the supply of the bus coupler and of max. 10 connected measurement and I/O modules



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## Technical Data

### Power Supply

|                   |  |
|-------------------|--|
| Input voltage     | 10 to 30 VDC, overvoltage and overcurrent protection                           |
| Power consumption | approx.. 2 W, additional 4 W for each module, max. 45 W                        |
| PE connection     | it is strongly recommended to connect PE (Protective Earth) on the front panel |

### Environmental

|                       |                                     |
|-----------------------|-------------------------------------|
| Operating temperature | -20°C to +60°C                      |
| Storage temperature   | -40°C to +85°C                      |
| Relative humidity     | 5 % to 95 % at 50°C, non-condensing |

### Mechanical information

|                          |                  |
|--------------------------|------------------|
| Material                 | Aluminum and ABS |
| Measurements (W x H x D) | 30x 145 x 135mm  |
| Weight                   | approx. 500 g    |

### Ordering Information

|                |        |
|----------------|--------|
| Article number | 532523 |
|----------------|--------|

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