

Q.bloxx XL F100

Optical UART Extension

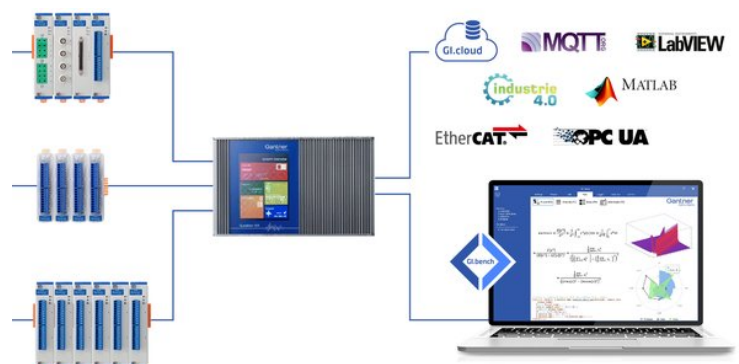
Q.bloxx XL is a new addition to the Q.series product family - the ideal DAQ solution for widely distributed installations that require higher performance and custom sensor terminations. Q.bloxx XL products are packaged in modular, DIN Rail mountable enclosures that easily snap together for system expansion. Flexibility in distribution allows for highly synchronized data that is less prone to noise due to shorter sensor cable runs to the subject.

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



Key Features

- Baud Rate
Up to 1.5 MBaud per second
configurable in Q.station settings
- Optical Connector
- Transmission Distance
up to 3800 m
- Fiber Type: Multimode-Duplex-Glassfibe
50 or 62.5/125 μm



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Technical Data

Optical Interface

Baud rate	0 to 1.5 Mbps
Display	Data LED and Power LED
Optical connector	ST-connector
Optical fiber type	Multimode-Duplex-Glassfiber 50 or 62.5/125 µm (200/230 µm possible-with-modification)
max Fiber distance	50/125 µm typ. 3200m, min 1400m @ 3 dB/km 62.5/120 µm typ. 3800m, min 2200m @ 3 dB/km

Power Supply

Input voltage	10 to 30 VDC, overvoltage and overcurrent protection
Power consumption	approx.. 1.5 W

Environmental

Operating temperature	0°C to +60°C
Storage temperature	-40°C to +70°C
Relative humidity	5 % to 95 % at 50°C, non-condensing

Remarks

Warm-up time	Validity of all listed specifications are subject to a warm-up period of at least 45 minutes
	Specifications subject to change without notice

Mechanical information

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

Ordering Information

Article number	597433
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