

Q.station-XB SSD-1TB, 4xCAN-FD

1TB SSD add-on with 4 additional CAN Ports 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

- Build in SSD is capable of over 50MB/s of sequential read/write
- V-NAND SSD technology
- 4 additional CAN interfaces
- Storage capacity of 1TB



Q.station-XB SSD-1TB, 4xCAN-FD

1TB SSD add-on with 4 additional CAN Ports for Q.station-X

Technical Data

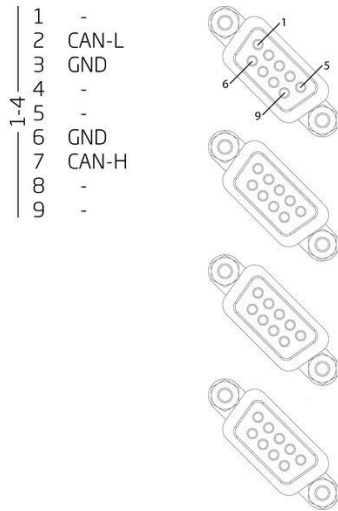
Requires Q.series-X Controller: Q.station-X

This product is an accessory for the Q.station-X controller and cannot function on its own.

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.

Terminal assignment CAN Interface



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

SSD Specifications

Storage capacity	1TB
Interface	SATA 6 Gb/s (compatible with SATA 3 and SATA 1.5)
SSD Technology	V-NAND
Data rate	up to 52 MB/s write and 550 MB/s read
Buffer size	78 GB
TBW (Terabytes written)	600 TBW

Q.station-XB SSD-1TB, 4xCAN-FD

1TB SSD add-on with 4 additional CAN Ports for Q.station-X

Additional CAN Interfaces

Interface	4 High-Speed-CAN-Channels (ISO 11898-2)
Connector-type	DSub 9 - Male
Specification	CAN 2.0 A/B and FD
Data transfer rate CAN	25 kbit/s up to 1 Mbit/s
Data transfer rate CAN-FD	25 kbit/s up to 12 Mbit/s (max. 64 Bytes datafield)
Galvanic isolation	channel to channel up to 300 V

Power Supply

Input voltage	10 to 30 VDC. overvoltage and overcurrent protection
Power consumption	approx.. 16W

Environmental

Operating temperature	0°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)	60x 145 x 135mm
Weight	approx. 700 g
Protection class	IP20

Ordering Information

Article number	803221
----------------	--------

Gantner Instruments

Austria | Germany | France | Sweden | India | USA | China | Singapore
 Montafonerstraße 4 · A-6780 Schruns · T +43 55 56 · 77 463-0

office@gantner-instruments.com
 www.gantner-instruments.com