

Vertrieb durch



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Q.series X NeXt Generation

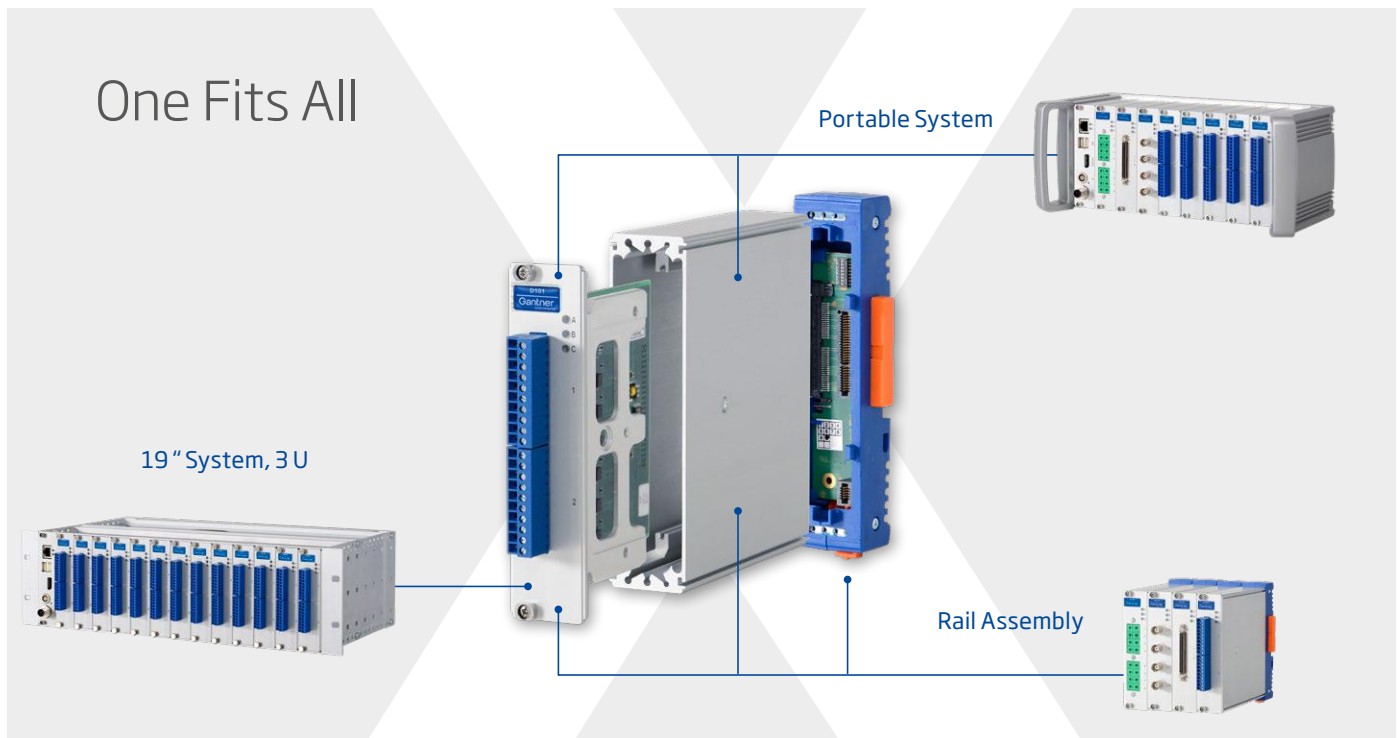
More Power and More Flexibility –
One Module Fits All



More Power and More Flexibility - One Module Fits All

Q.series X - neXt Generation in Data Acquisition

For many years, several hundred thousand channels of the Q.series Basic Edition have been in operation, fulfilling user needs in the automotive, aerospace, civil engineering sectors and in other industrial applications. Based on customer feedback and our experience with this successful product range, and taking full advantage of the latest technological advances, we are introducing the new flexible and powerful Q.series X - the extended edition of the Q.series.



Same Module, Different Interface

The ideal mechanical concept provides the flexibility to use all modules in different combinations.



- **test.controller Q.station X**

Up to 20 powerful data loggers -
Ethernet, EtherCAT, CAN
up to 100 kHz

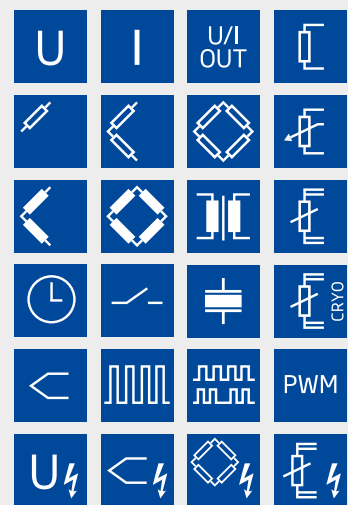
- **Bus coupler**

Complete EtherCAT
functionality inclusive XFC,
read and write up to 10 kHz real time

Measurement and I/O Modules Available for all Relevant Input Signals

The well-respected, wide range of module functionality is also available with Q.series X

- Dedicated modules:
 - 8 strain gauge quarter, half and full bridge
 - 16 strain gauge quarter bridge
 - 8 thermocouples
 - 8 voltages
- Multi purpose modules:
 - Inputs for almost all sensors
 - Bridge module for strain gauge and inductive sensors
 - DC and CF excitation (4800 Hz and 600 Hz) selectable
- High isolation modules:
 - Isolation 1200 VDC channel to channel and to power
 - Inputs for voltage thermocouple, Pt100, NTC IEPE sensor, current, strain gauge half and full bridge
- Digital inputs:
 - Frequency in and out
 - Quadrature and up/down counter
 - PWM in and out
 - Specials like missing teeth detection and the chronos method



Two Strong Product Groups to Meet all Requirements

Basic



Q.series Basic Edition

- Best price/performance ratio
- Multi-channel application with high density
- High availability, short lead time
- Distributed setup with test.controller
- Rail assembly

Extended



Q.series Extended Edition

- Powerful signal conditioning, like filtering and channel-to-channel operations
- Higher ADC rate
- Higher data rate
- Customized connection concept
- Re-configuration during operation

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