



V24-1

 **DEWESoft**
7 YEAR WARRANTY

SIRIUS X



CONNECTIVITY

A dual GigaBit LAN interface allows higher bandwidth and higher channel count. PTPv2 synchronization between devices Active PoE, a standardized power supply via Power over Ethernet, makes it easily daisy-chainable. All three together ensure easy connectivity due to the need for only one cable for data, power, and synchronization.

openDAQ COMPATIBLE

SIRIUS X devices are openDAQ-compliant. Using our open-source SDK it easy to integrate the the devices anywhere. openDAQ SDK will allow you to easily discover, configure and read data from the SIRIUS X devices.



SIRIUS X offers a high channel count in a compact chassis with up to 200 kS/s sample rates. It supports open and flexible connectivity via GLAN with PTPv2 synchronization and interfaces such as CAN-FD, and it is openDAQ compatible. These features make SIRIUS X extremely powerful and the easiest-to-use data acquisition device on the market.

APPLICATIONS

SIRIUS X with large variety of analog frontends is your solution for test and measurements applications like Road Load Data, Vibration Testing, Structural Dynamics Testing, Order Analysis, Fatigue Testing, Acoustics and General Data Recording.



CAN AND CAN-FD INPUT

SIRIUS X modular devices offer a high-speed CAN-FD interface with up to 8 Mbit/s data throughput and additional support for CAN-FD output.

160 DB DYNAMIC RANGE

24-bit delta-sigma ADC with anti-aliasing filter on each analog channel we achieve up to 160 dB dynamic range in time and frequency domain.

HIGH SAMPLING RATE

IOLITE X signal amplifiers offer high acquisition speeds of up to 200 ks/s per channel. The sample rate is software-selectable per every input channel.

DEWESOFT QUALITY AND 7-YEAR WARRANTY

Enjoy our industry-leading 7-year warranty. Our data acquisition systems are made in Europe, utilizing only the highest build quality standards. We offer free and customer-focused technical support. Your investment into the Dewesoft solutions is protected for years ahead.

| System specifications | SIRIUS X |
|------------------------|--|
| Data rate per channel | Up to 200 kS/s |
| ADC Type | 24-bit delta-sigma with anti-aliasing filter |
| Dynamic range | Up to 160 dB |
| GLAN | |
| Data interface | Ethernet 1 GbE |
| Bus connectors | Ethernet RJ45, single cable for data, power and sync, daisy chainable |
| Power over Ethernet | 50 - 57 V DC |
| CAN bus | |
| Number of ports | 1 |
| Interface type | CAN 2.0B, up to 1 MBit/s CAN-FD, up to 8 Mbit/s |
| Galvanic isolation | Isolated |
| Synchronisation | |
| IRIG synchronisation | IRIG-B-DC, 4-pin LEMO 00 Series female |
| PTP synchronization | IEEE 1588v2 synchronization |
| Power | |
| Power Supply | Power Supply: 9 - 58 V DC, Power over Ethernet: 48 - 57 V DC (PoE++ power delivery) |
| Power consumption | Typ. 15 W (configuration dependent) |
| Physical | |
| Dimensions | Standard SIRIUS modular chassis 266 mm x 149 mm x 55 mm |



WIDE RANGE OF AMPLIFIERS

The following amplifier cards are currently available in the SIRIUS X product line:

SIRIUS X 16XSTGS

16-channel-ground isolated cost effective strain gage amplifier supporting Full/Half/Quarter bridge input with D-SUB 9 or terminal block connector. INCA® and similar systems via CAN or XCP.

SIRIUS X 16XLVE

16-channel-ground isolated module with ± 100 V and ± 5 V input range and sensor power supply. Voltage, current (ext. shunt) and potentiometer supported modes with D-SUB 9 or terminal block connector.

SIRIUS X 32XLV

32-channel-ground isolated ± 200 V or ± 10 V analog input module with terminal connector.

SIRIUS X 16XACC

16-channel-ground isolated module for IEPE and voltage inputs with BNC connector.



LEARN MORE:

<https://dewesoft.com/products/sirius-x>

HEADQUARTERS

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DEWESOFT WORLDWIDE:

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