



 **YEAR WARRANTY**



V24-1

IOLITE X



SYNCHRONIZATION

PTPv2 synchronization for simple and precise data synchronization between multiple modules. Use our DS-LAN switches for easy connection and synchronization of multiple device.

POE POWER SUPPLY

IOLITE X devices are powered using active PoE (Power Over Ethernet) in daisy-chain configuration with up to 100 m of cable in between devices.



openDAQ COMPATIBLE

IOLITE 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 device.

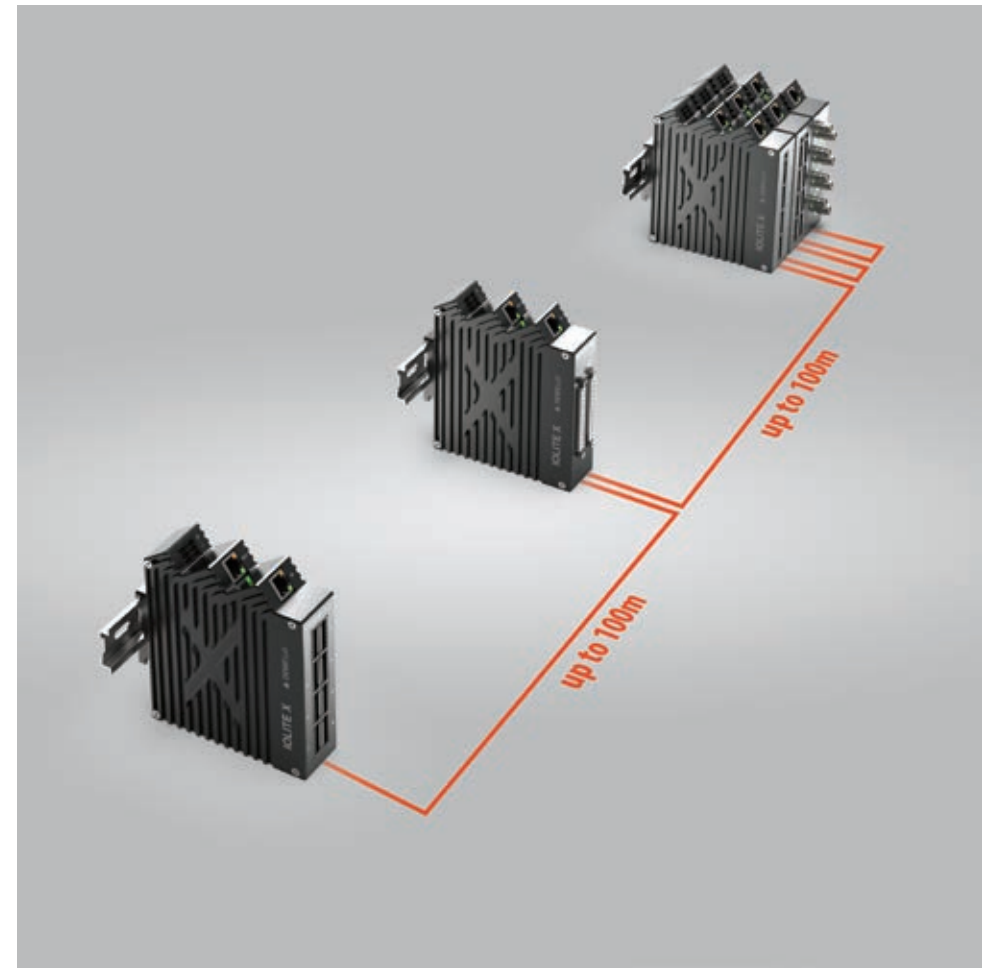
IOLITE X is more than just a DAQ. Up to 200 kS/s sample rate.

Open and flexible connectivity via GLAN with PTPv2 synchronization, and active power over Ethernet.

Chassis suitable for industrial applications with DIN rail mounting.

APPLICATIONS

IOLITE X with large variety of analog frontends is your solution for test and measurements applications like Structural Dynamics Testing, Vibration Testing, Monitoring, Acoustics and General Data Recording.



DUAL GIGABIT INTERFACE

Dual Gigabit LAN interface allows higher bandwidth and higher channel count.

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.

160 DB DYNAMIC RANGE

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

FLEXIBLE AND SCALABLE

IOLITE X DAQ system can grow with your needs. You can start with a single channel and scale the system to thousands of channels anytime.

DEWESOFT QUALITY AND 7-YEAR WARRANTY

Enjoy our industry-leading 7-year warranty. Made in Europe, our data acquisition systems are built to the highest quality standards. We offer free and customer-focused technical support. Your investment in our solutions is valid for years.

WIDE RANGE OF AMPLIFIERS

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

System specifications	IOLITE 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
Data Rate	1 Gbps
Bus connectors	Ethernet RJ45, single cable for data, power and sync, daisy-chainable
Power over Ethernet	50 - 57 V DC
Power	
Power Supply	Power Supply: 9 - 58 V DC, Power over Ethernet: 48 - 57 V DC (PoE++ power delivery)
Power consumption	Typ. 9 W (configuration dependent)
Physical	
Dimensions	Standard IOLITE modular chassis 137 x 119* x 35mm

IOLITE X 8xSTGS

8-channel ground-isolated cost-effective strain gauge amplifier supporting Full/Half/Quarter bridge input with terminal block or DB37 connectors via CAN or XCP.

IOLITE X 8xLVe

8-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 terminal block or DB37 connector.

IOLITE X 16xLV

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

IOLITE X 8xACC

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



LEARN MORE:

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

HEADQUARTERS

Gabrsko 11A, 1420 Trbovlje, Slovenia
+386 356 25 300
www.dewesoft.com
support@dewesoft.com
or sales@dewesoft.com

DEWESOFT WORLDWIDE:

SLOVENIA, Austria, Belgium, Brazil, Czechia, China, Denmark, Finland, France, Germany, Hong Kong, India, Italy, Mexico, Singapore, Sweden, UK, USA and PARTNERS IN MORE THAN 50 COUNTRIES

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