



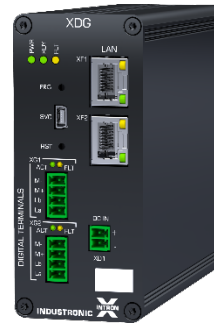
2 XDG 0x1

DIGITAL GATEWAY MODULE

DIN RAIL MODULE FOR THE CONNECTION OF DIGITAL TERMINAL DEVICES

The INTRON-X is the modern, modular IP system platform for scalable intercom, PA/GA and PA solutions from INDUSTRONIC.

Use the 2 XDG 0x1 digital gateway module to connect up to 2 digital INDUSTRONIC terminal devices via 2-wire technology.



2 XDG 001



2 XDG 011

- Connection of up to 2 digital INDUSTRONIC terminal devices via 2-wire technology
- 2 x 10/100Base-T interfaces (type 2 XDG 001) or 2 SFP interfaces (type 2 XDG 011) for redundant network connection
- Redundant connection of terminal devices to 2 different XDG modules possible
- Integrated self-monitoring
- Permanent automatic monitoring of all connected terminal devices, connection cables, and power supplies
- Configuration via INTRON-X management tools

DIN RAIL MODULE 2 XDG 001 (RJ45)

Type number 344-011-100

DIN RAIL MODULE 2 XDG 011 (SFP)

Type number 344-011-200

MECHANICAL DATA

Mounting DIN rail
 Width x height x depth 46 mm x 105 mm x 130 mm (1.81" x 4.13" x 5.12")
 Weight Approx. 1 kg (approx. 2.20 lbs)

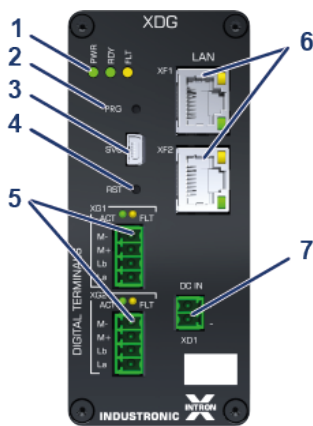
POWER CONSUMPTION (XD1)

Typical 3 W for XDG module + 2 x 3 W for intercom stations
 Maximum 6 W for XDG module + 2 x max. 5 W for intercom stations

DC POWER SUPPLY (XD1)

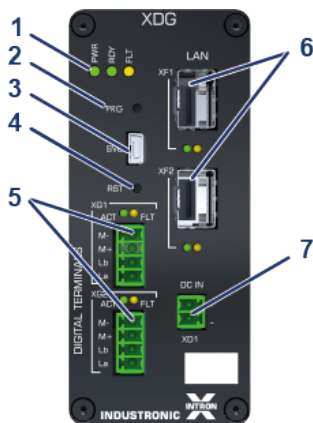
Power supply 42 V DC to 72 V DC

FRONT 2 XDG 001



1	LEDs for operating status
2	Service button
3	Service interface (Mini USB)
4	Reset button
5	Interfaces to two digital terminal devices with optional additional power supply monitoring
6	Ethernet interfaces
7	DC power supply

FRONT 2 XDG 011



1	LEDs for operating status
2	Service button
3	Service interface (Mini USB)
4	Reset button
5	Interfaces to two digital terminal devices with optional additional power supply monitoring
6	SFP slots
9	DC power supply

DIGITAL INTERFACES (XG1 AND XG2)

Quantity	2 x 4-pole connector with screw connection, 1.5 mm ²
Transmission technology	Digital 2-wire interface (Up0)
Max. cable length	4 km (2.49 mi)
Power supply	Max. 72 V DC, 100 mA
Additional power supply monitoring	42 V DC to 72 V DC

NETWORK INTERFACES (XF1 AND XF2)

Quantity	2 XDG 001: 2 x RJ45 2 XDG 011: 2 x SFP*
Type	2 XDG 001: 10Base-T/100Base-TX Ethernet, IEEE 802.3 2 XDG 011: 100Base-FX SFP-Slot, IEEE 802.3
Requirements	IPv4 network Support of UDP, TCP, RTP and RTCP protocols Quality of Service (QoS) Ideal latency value < 20 ms (max. 50 ms) Jitter: max. 10 ms

*For more information about the SFP's see "Accessories" on page 3.

SERVICE INTERFACE (SVC)

Quantity	1 x Mini-USB
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ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-40 °C to +70 °C (-40 °F to +158 °F)
Storage temperature	-50 °C to +85 °C (-58 °F to +185 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection	IP20
Operating altitude	Max. 2,000 m (6,562 ft) above sea level
Pollution degree	2 (according to EN 62368-1)
Electrical safety	EN 62368-1
EMC	EN 61000-6-2, EN 61000-6-4, EN 55032 Class B, EN 55035, EN 50130-4

ACCESSORIES

100Base-FX multi-mode SFP, Duplex LC plug, max. 2 km (1.24 mi), 50 or 62.5/125µm fiber optic cable	070-028-130
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100Base-FX single-mode SFP, Duplex LC plug, max. 20 km (12.43 mi), 9/125µm fiber optic cable	070-028-131
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The SFP's are not included in the scope of supply and must be ordered separately.

ACTIVATIONS

Please note: To commission the module, an INDUSTRONIC activation is required!

ACT-X Interface Device	
Description	Activation of one INTRON-X interface device
Type number	101-100-030

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