



Product: [1-10GS-LW](#) 

10G Ethernet Interface - XTran Interface Module with 1x 10Gigabit SFP+ LAN/WAN port)

Product Description

The 1-10GS-LW interface module (=IFM) supports 10 Gigabit Ethernet according the IEEE 802.3ae-2002 standard with a SFP+ form factor. This standard specifies full duplex point-to-point links. This standard also provides two types of PHY: LAN PHY and WAN PHY. This module provides one 10 Gbps optical LAN/WAN port on the front panel (LAN = Local Area Network; WAN = Wide Area Network) and is configurable via TXCare (=XTran Management System). 1-10GS-LW refers to '1 port – 10 Gigabit SFP+ – LAN WAN'.

Technical Specifications

Product Overview

Part Number:	S30924-Q1228-X101
Port Type and Quantity:	1x SFP+ (Fiber, optical): 10GE
Port Mode:	LAN, WAN

Power requirements

Operating Voltage:	+12V
Power consumption:	Measured at 25°C/77°F, with data transport: 8W

Features and Protocols

Traffic Control & Security:	Port Tracking; HQoS (=Extended queue sets): only on WAN ports in aggregation nodes; E-Tree (LAN ports); Storm Control; BPDU Guard; IP ACL (max. 1 rule); MAC ACL (max. 1 rule); Sticky MAC; MAC Limit; Static MAC Table
Synchronization:	Sync-E; PTP IEEE 1588v2 (=Precision Time Protocol): as Transparent Clock
Hardware Features:	LAG (only LAN ports in aggregation nodes); Smart SFPs
Protocol Interaction:	BIG (=Backbone Isolation Guard) on RGERP; Dual Homing; RGERP, MRP; STP Interaction
Test & Debugging Features:	Loss Measurement (LM) (in aggregation nodes); Delay Measurement (DM) (in aggregation nodes); Tunnel Ping; Tunnel Traceroute; Port Mirroring; MAC Monitoring
L2 & L3 Features:	LLDP
Encryption:	MACSec
Configurable Services:	Ethernet; Serial Port Server: External TCP client/server; VoIP

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	238 Years
Operating Temperature Range:	With XT-1104-A, XT-2206-A, XT-2209-A, XT-2210-A (aggregation nodes): -30° to +65°C (-22° to 149°F); With XT-2215-A (core nodes): -20° to +55°C (-4° to 131°F)
Storage Temperature Range:	-30° to +75°C (-22° to 167°F)
Relative humidity (non-condensing):	0-95 %

Mechanical construction

Overall Width:	20.32 mm
Overall Height:	126 mm
Depth:	195 mm
Weight:	0.37 kg

Approvals

Basis Standard:	CE, EN 55032:2015 + A11:2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013 + A2 :2021, EN 55035:2017 + A11:2020, EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019
Safety of industrial control equipment:	EN 62368-1:2014

Power Utility:	EN 61000-6-5:2015, EN 61850-3:2014 (§6.7), IEEE 1613-2009 (§4), IEEE1613-2013 (clause 5,7,8,9,10)
Transportation:	EN 50121-4:2016 + A1:2019

Reliability

Guarantee:	Standard 1 year (extension possible)
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Scope of delivery and accessories

Accessories to Order Separately:	Interface Adapter Kit for Core Nodes: C30965-A9550-D16
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Further Instructions

Product Documentation:	Available via Belden Solutions Portal site
Certificates:	Available via Belden Solutions Portal site
Software Download:	Available via Belden Solutions Portal site

History

Update and Revision:	Revision Number: 0.11 Revision Date: 11-14-2025
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