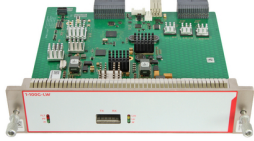


Product: [1-100G-LW \(XT-2215-A\)](#)



XTran Interface Module with 1x 100Gigabit LAN/WAN port for XT-2215-A nodes

Product Description

The 1-100G-LW interface module (=IFM) supports 100 Gigabit Ethernet according the IEEE 802.3ba-2010 standard. This standard specifies full duplex point-to-point links. This module provides one 100 Gbps optical LAN/WAN port on the front panel (LAN = Local Area Network; WAN = Wide Area Network). 1-100G-LW refers to '1 port – 100 Gigabit – LAN WAN'. This IFM requires a CSM7100-A Central Switching Module. This port is configurable as LAN or WAN (=default) via TXCare (=XTran Management System). This IFM can only be used in core nodes.

Technical Specifications

Product Overview

Part Number:	S30924-Q225-X101
Port Type and Quantity:	1x QSFP28 (Fiber, optical): 100GE
Port Mode:	WAN

Power requirements

Operating Voltage:	+12V
Power consumption:	Measured at 25°C/77°F, with data transport: 27W

Features and Protocols

Traffic Control & Security:	Storm Control; BPDU Guard; IP ACL (max. 1 rule); MAC ACL (max. 1 rule); Sticky MAC; Static MAC Table
Synchronization:	Sync-E; PTP IEEE 1588v2 (=Precision Time Protocol): as Transparent Clock
Hardware Features:	FEC (on PHY)
Protocol Interaction:	BIG (=Backbone Isolation Guard) on RGERP; Dual Homing
Test & Debugging Features:	Tunnel Ping; Tunnel Traceroute; Port Mirroring; MAC Monitoring
L2 & L3 Features:	LLDP
Configurable Services:	Ethernet (WAN side only); Serial Port Server: External TCP client/server

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	240 Years
Operating Temperature Range:	-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:	186 mm
Overall Height:	43.05 mm
Depth:	195 mm
Weight:	0.48 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), IEEE 1613-2013 (clause 5,7,8,9,10)

Transportation:	EN 50121-4:2016 + A1:2019
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Reliability

Guarantee:	Standard 1 year (extension possible)
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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: 0.21 Revision Date: 11-14-2025
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