



Product: [2-OLS](#)

XTran Interface Module with 2x ST multimode optical ports and 2x E1 RJ-45 ports

Product Description

The 2-OLS interface module (=IFM) is an Optical Low Speed Serial interface module which can be used to transport low speed serial data and E1 data. This IFM has four ports: two Optical Serial ports (=port1, port2) and two E1 ports (=port3, port4). This IFM can be used in 3 different service types (a mix in one IFM is possible): Local Mode, Circuit Emulation Optical Serial Data and Circuit Emulation E1 Data.

Technical Specifications

Product Overview

Part Number:	S30924-Q208-X101
Port Type and Quantity:	4x ST connectors (optical) (2 pairs Tx/Rx) 2x RJ-45 connectors (E1)
Port Mode:	LAN

Power requirements

Operating Voltage:	+12V
Power consumption:	Measured at 25°C/77°F, with data transport: 8.4W

Features and Protocols

Synchronization:	Sync-E (on E1 ports); E1 ports can slave to E1 clock from external network
Test & Debugging Features:	Test & Loopback, Loss Measurement (LM) (in aggregation/access nodes), Delay Measurement (DM) (in aggregation/access node), Tunnel Ping, Tunnel Traceroute, Port Mirroring (can only be a source, can be mirrored to Ethernet IFMs)
Configurable Services:	Local Mode; Circuit Emulation - Optical Low Speed Serial/E1: SAToP (=Structured Agnostic TDM over Packet), CESoPSN (=Circuit Emulation Service over Packet Switched Network), Hitless Switching / Single Path

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	174 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:	0.23 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: 0.23 Revision Date: 11-14-2025
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