



Product: [6-GEP-L, 1G Ethernet Interface](#)

XTran Interface Module with 6x Gigabit LAN ports with PoE support

Product Description

The 6-GEP-L interface module (=IFM) provides Layer2 functionality. This IFM is also referred to as a 'L2 IFM' that has 6 electrical LAN (= Local Area Network) ports on the front panel: 6*1Gbps RJ45 ports. Each individual port can be configured via TXCare (=XTran Management System). On the 6-GEP-L IFM, these RJ45 ports can deliver PoE (=Power Over Ethernet) as well. 6-GEP-L refers to '6 ports – Gigabit Ethernet – LAN', 'P' refers to PoE.

Technical Specifications

Product Overview

Part Number:	S30924-Q217-X201
Port Type and Quantity:	6x RJ-45 (Cu, electrical): 10/100/1000BASE-T
Port Mode:	LAN

Power requirements

Operating Voltage:	+12V
Power consumption:	Measured at 25°C/77°F, with data transport: 7.5W

Features and Protocols

Traffic Control & Security:	Port Tracking (on back end ports); E-Tree (on back end ports); Storm Control; BPDU Guard; IP ACL (max. 128 rules); MAC ACL (max. 128 rules); Sticky MAC (on back end ports); MAC Limit (in aggregation nodes); Static MAC Table (on back end ports)
Hardware Features:	LAG + LACP (only LAN ports); PoE (ports[1..4])
Protocol Interaction:	BIG (=Backbone Isolation Guard) on RGERP; Dual Homing; RGERP, MRP
Test & Debugging Features:	Port Mirroring (on same L2 IFM); MAC Monitor
L2 & L3 Features:	IGMP Snooping (MAC based); LLF (=Link Loss Forwarding); LLDP; MSTP: Port based (Network wide) or VLAN based (Local in node)
Configurable Services:	Ethernet (Local Service); Serial Port Server: External TCP client/server; VoIP

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	177 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:	0.256 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: 0.21 Revision Date: 11-14-2025
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