



Product: [9-L3EA-L](#)

XTran 1G/10G Routing Interface Extension Module for the 9-L3A-L Interface Module

Product Description

The 9-L3EA-L (=extension) interface module (=IFM) provides Layer2/Layer3 functionality. If you want more front ports than available on the 9-L3A-L (main) IFM, use the extension module in addition to double the front ports. This IFM has 9 optical LAN (=Local Area Network) ports on the front panel: 8*1Gbps SFP ports and 1*10Gbps XFP port. Each individual port can be configured via TXCare (=XTran Management System). 9-L3EA-L refers to '9 ports – Layer3, Extension Variant A IFM – LAN'. So using the main and extension L3 IFM together in one node, and plugged in in some specific interface slots, provides a total of 16*1Gbps SFP ports and 2*10Gbps XFP ports.

Technical Specifications

Product Overview

Part Number:	S30924-Q301-X101
Port Type and Quantity:	8x SFP (Fiber, optical): 1000BASE-X; 1x XFP (Fiber, optical): 10GE
Port Mode:	LAN

Power requirements

Operating Voltage:	+12V
Power consumption:	Measured at 25°C/77°F, with data transport and fans running: 17.0W

Features and Protocols

Traffic Control & Security:	VRRP Interface Tracking; 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; Static MAC Table (on back end ports)
Hardware Features:	LAG + LACP (only LAN ports); Onboard fans
Protocol Interaction:	BIG (=Backbone Isolation Guard) on RGERP; Dual Homing; RGERP, MRP
Test & Debugging Features:	Port Mirroring (on same L3 IFM); MAC Monitor
L2 & L3 Features:	IGMP Snooping (IP based); LLDP; MSTP: Port based (Network wide) or VLAN based (Local in node); Virtual Router; Static Routing; VRRP; OSPF; L3VPN; PIM; GMP; DHCP Relay
Configurable Services:	Ethernet (Local Service); Serial Port Server: External TCP client/server; VoIP

Ambient conditions

MTBF (Telcordia SR-332 Issue 4) @ 25°C:	104 years
Operating Temperature Range:	-30°C to +65°C (-22°F to 149°F)
Storage Temperature Range:	-30° to +75°C (-22° to 167°F)
Relative humidity (non-condensing):	0-95 %

Mechanical construction

Overall Width:	40.32 mm
Overall Height:	126 mm
Depth:	195 mm
Weight:	0.337 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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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: 0.19 Revision Date: 11-14-2025
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