




Product: [LRS40-7TX/3SFP/1C](#) 

7x FE/GE TX, 3x FE/GE SFP, 1x FE/GE Combo, 9.6-32 V DC, -40-+60°C,
Lite Managed

Product Description

Lite Managed Rail-Mount Industrial Ethernet/Fast-Ethernet Switch with 7 x 10/100/1000BASE-TX, 3x 100/1000BASE-FX SFP, 1x Combo (10/100/1000BASE-TX and 100/1000BASE-FX SFP), Store and Forward Switching Mode, HiEOS Layer 2 Software

Technical Specifications

Product description

Name:	LRS40-7TX/3SFP/1C
Part Number:	942328003
Port Type and Quantity:	7x FE/GE TX, 3x FE/GE SFP, 1x FE/GE Combo

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 6-pin
---------------------------------	-----------------------------------

Network size - length of cable

Twisted pair (TP):	0 - 100 m
--------------------	-----------

Power requirements

Operating Voltage:	24 VDC
Power consumption:	8.2W
Power output in BTU (IT)/h:	28 BTU/h

Software

Switching:	Static Unicast/Multicast Address Entries, VLAN (802.1Q), Independent VLAN Learning, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, CoS Queue Management, Queue-Shaping / Max. Queue Bandwidth, Jumbo Frames, IGMP Snooping/Querier (v1/v2/v3), Unknown Multicast Filtering, IGMP Group Filtering per Port, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection
Redundancy:	MRP Client, RSTP 802.1D-2004 (IEC62439-1), ERPS (G.8032), ERPS v2 (G.8032)
Management:	LLDP (802.1AB), LLDP-MED, Password change on first login, SSHv2, HTTP, HTTPS, Responsive GUI, SNMP v1/v2/v3, Traps, Telnet, TFTP, Dual Software Image Support
Diagnostics:	Management Address Conflict Detection, LEDs, Device Status Indication, Syslog, Link Speed and Duplex Monitoring, RMON (1, 2, 3, 9), Port Mirroring 1:1, Port Mirroring N:1, System Information, SFP Management
Configuration:	Web-based Management, HiDiscovery, Command Line Interface (CLI), Full-featured MIB Support
Security:	MAC Address Limit Per Port, Restricted Management Access, Appropriate Use Banner, Multiple Privilege Levels, Local User Management
Time synchronisation:	NTP Client

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	3 867 661 h
Air Pressure (Operation):	min 795 hPa
Operating temperature:	-40-+60 °C
Minimum Storage Temperature:	-40-+85 °C

Relative humidity (non-condensing):	5-95 %
-------------------------------------	--------

Mechanical construction

Dimensions (WxHxD):	68x135x118 mm
Weight:	680 g
Mount Type:	DIN Rail
Protection class:	IP30

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field:	10 V/m (80 MHz - 1 GHz), 3 V/m (1,4 GHz – 6GHz)
EN 61000-4-4 fast transients (burst):	2 kV power line, 2 kV data line
EN 61000-4-5 surge voltage:	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55032:	EN 55032 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Basis Standard:	CE, FCC, EN61131
Safety of industrial control equipment:	cUL 61010-1

Reliability

Guarantee:	60 months (please refer to the https://assets.belden.com/m/1424ddb7a3280e7a/original/Hirschmann-Automation-and-Control-GmbH-Terms-of-Guarantee.pdf terms of guarantee for detailed information)
------------	---

Scope of delivery and accessories

Accessories to Order Separately:	SFP Transceivers, Rail Power Supply, Mounting Accessories
Scope of delivery:	Device, Terminal Block, Start-up Instructions, Safety Instructions

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Software Download:	https://my.belden.com/s/downloads

History

Update and Revision:	Revision Number: 0.62 Revision Date: 09-26-2025
----------------------	---

Variants

Item #	Type
942328003	LRS40-7TX/3SFP/1C

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.