



## Product: LRS30-7TX/3SFP/1C

7x FE 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 10/100BASE-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

|                         |                                  |
|-------------------------|----------------------------------|
| Part Number:            | 942328005                        |
| Port type and quantity: | 7x FE TX, 3x FE/GE SFP, 1x FE/GE |

#### 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:          | 7.2W   |
| Power output in BTU (IT)/h: | 25     |

#### 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 (Telecordia SR-332 Issue 3) @ 25°C: | 3 867 661 h      |
| Air Pressure (Operation):                | min 795 hPa      |
| Operating temperature:                   | -40-+60 °C       |
| Storage/transport temperature:           | -40 °C to +85 °C |

#### Mechanical construction

|                     |                   |
|---------------------|-------------------|
| Dimensions (WxHxD): | 68 x 135 x 118 mm |
| Weight:             | 680 g             |

|                   |          |
|-------------------|----------|
| Mounting:         | 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 (pending) |

## Reliability

|            |                                                                             |
|------------|-----------------------------------------------------------------------------|
| Guarantee: | 60 months (please refer to the 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: | <a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>                                               |
| Software Download:     | <a href="https://hirschmann-support.belden.com/en-US/downloads">https://hirschmann-support.belden.com/en-US/downloads</a> |

## History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.26 Revision Date: 01-11-2024 |
|----------------------|-------------------------------------------------|

## Variants

| Item #    | Type              |
|-----------|-------------------|
| 942328005 | LRS30-7TX/3SFP/1C |