RSPL-Lite Series
Managed Industrial Ethernet Switch with Fanless Design

Fast and Gigabit Ethernet Networks

The new RSPL-Lite family of switches incorporates the powerful new HiOS operating system, which provides protection against unauthorized access by means of an extensive range of security mechanisms such as authentication, radius, role-based access, port security, SSHv2, HTTPS and SFTP. The robust hardware offers a total of eight Fast Ethernet ports, configured as either six TX-RJ45 and two SFP ports, or as four TX-RJ45 and four SFP ports. For a fast connection to the backbone, there is an option to add two additional Gigabit Ethernet Combo ports. Fast MRP (Media Redundancy Protocol) and RSTP (Rapid Spanning Tree) redundancy methods ensure high network availability in line with the international IEC 62439 standard. Further features of the RSPL-Smart include an IP30 protection rating, a compact stainless steel housing, and convenient configuration and diagnostics. The RSPL-Lite has an extended operating temperature range of -40°C to +70°C. The power supply may be either 24/36/48 V DC or 110/250 V DC and 110/230 V AC.

IPv6 FIT

HiOS Hirschmann™ Operating System

Technical Information

Product Description		
Type	**RSPL20-xx Series**	**RSPL30-xx Series**
Switching/Routing	HiOS Hirschmann™ Operating System	
Available Ports	Ports in total: 8; 4 x 10/100 TX/4 x FE SFP, or 6 x 10/100 TX/2 x FE SFP ports	Ports in total: 10; 2 x GE Combo ports and 4 x 10/100 TX/4 x FE SFP, or 2 x GE Combo ports und 6 x 10/100 TX/2 x FE SFP ports
Construction		
Mounting	DIN Rail	
Protection Class	IP30	
Dimensions (WxHxD)	90 x 164 x 120 mm	118 x 164 x 120 mm
Weight	1.0 kg	1.2 kg
Ambient Conditions		
Operating Temperature	0°C to +60°C, or -40°C to +70°C, IEC 60068-2-2 Dry Heat Test +85°C 16 Hours	
Storage/Transport Temperature	-40°C to +85°C	
Relative Humidity (non-condensing)	10% to 95%	
Conformal Coating	Yes (variant dependent)	
Interfaces		
V.24 Interface	1 x RJ11 socket	
SD Interface	1 x to connect auto-configuration adapter ACA31 (SD-card)	
Power Requirements		
Operating Voltage	24 to 48 V DC redundant, or 110 to 250 V DC and 110 to 230 V AC	
PoE (802.3af) Ports Supported	n/a	
PoE Plus (802.3at) Ports Supported	n/a	
Regulatory Approvals		
Safety	EN 60950-1, cUL508 (pending)	
Hazardous Locations	ISA 12.12.01, CSA 22.2 No. 213 (pending)	
Ship	n/a	
Transportation	NEMA TS2 (pending)	
Railway (norm)	EN 50121-4 (pending)	
Substation	IEC 61850-3, IEEE 1613	
Reliability		
MTBF Range	Pending	
Warranty	5 years standard	

NOTE: These are the prominent technical specifications. For complete technical specifications visit: www.hirschmann.com

Configurator

RSPL Series Managed Industrial Ethernet Switch Configurations

Fast and Gigabit Ethernet Networks

RSPL-3 0 08 02 2O6 TT E M9 Y9 HS E 2S XX.X

Design/Model
RSPL = Rail Switch Power

Data Rates
2 = 10/100 Mbit/s Ports
3 = 10/100 Mbit/s and 10/100/1000 Mbit/s Ports

Hardware Type
0 = Standard

Fast Ethernet Ports
08 = 8 x 10/100 Mbit/s

Gigabit Ethernet Ports
00 = None
02 = 2 x 10/100/1000 Mbit/s

Uplink Ports
2Z6 = 2 x SFP Slots (100 Mbit/s)
2O6 = 2 x SFP Combo Ports (100/1000 Mbit/s)

Port Configuration
TT = All Twisted Pair/RJ45
YT = 2 x SFP Slots (100 Mbit/s), 4 x (100 Mbit/s) Twisted Pair/RJ45
ZT = 4 x SFP Slots (100 Mbit/s), 4 x (100 Mbit/s) Twisted Pair/RJ45

Temperature Range
S = Standard 0°C to +60°C
T = Extended -40°C to +70°C
E = Extended -40°C to +70°C inclusive Conformal Coating

Voltage Range
CC = 2 x 24 to 48 V DC (18 to 60 V DC)
M9 = 1 x 110 to 250 V DC (88 to 320 V DC) and 110 to 230 V AC (88 to 265 V AC)

Approvals
Z9 = CE, FCC, EN 61131
Y9 = CE, FCC, EN 61131, cUL508
V9 = CE, FCC, EN 61131, IEC 61850, IEEE 1613
VY = CE, FCC, EN 61131, IEC 61850, IEEE 1613, cUL508

Customization
HS = Standard

Configuration
E = Standard

Software Level
2S = HiOS Layer 2 Standard

Software Release
02.0 = Software Release 02.0
XX.X = Current Software Release

NOTE: The part number categories (**Configuration** and **Software Release**) are optional.