

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.



Technical Information

Switching/Routing HiOS Hirschmann™ Operating System Available Ports Ports in total: 8, 4 x 10/100 TX/4 x FE SFP, or 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/4 x FE SFP ports Construction Wounting DIN Rail Protection Class IP30 Dimensions (WxHx D) 90 x 164 x 120 mm 118 x 164 x 120 mm Weight 1,0 kg 1,2 kg Ambient Conditions 10°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 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 Poet [802.3a1] Ports Supported Ana Poet [802.3a1] Ports Supported n/a Regulatory Approvals Safety EN 60950-1, cUL508 (pending) Hazardous Locations ISA 12.12.0, CSA 22.2 No. 213 (pend	Product Description		
Available Ports	Туре	RSPL20-xx Series	RSPL30-xx Series
On 6 x 10/100 TX/2 x FE SFP ports Or 2 x GE Combo ports und 6 x 10/100 TX/2 x FE SFP ports	Switching/Routing	HiOS Hirschmann™ Operating System	
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 ***********************************	Available 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
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 SD 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 (802.3a1) 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) Substation <th< th=""><td colspan="3">Construction</td></th<>	Construction		
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Meight	Protection Class	IP30	
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 R.J.11 socket Storage/Transport Temperature -40°C to +85°C Relative Humidity (non-condensing) 10% to 95% V.24 Interface 1 x R.J.11 socket Storage/Transport Temperature -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 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	Dimensions (WxHxD)	90 x 164 x 120 mm	118 x 164 x 120 mm
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 V.24 Interface 1 x BJ11 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 Regulatory Approvals Safety 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	Weight	1.0 kg	1.2 kg
Storage/Transport Temperature	Ambient Conditions		
Relative Humidity (non-condensing) Relative Humidity (non-condensing) 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 (802.3af) 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 Reliability MTBF Range Pending	Operating Temperature	0°C to +60°C, or -40°C to +70°C, IEC 60068-2-2 Dry Heat Test +85°C 16 Hours	
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 (802.3af) 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	Storage/Transport Temperature	-40°C to +85°C	
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 (802.3af) 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	Relative Humidity (non-condensing)	10% to 95%	
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	Conformal Coating	Yes (variant dependent)	
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 (802.3af) 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	Interfaces		
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	V.24 Interface	1 x RJ11 socket	
Operating Voltage24 to 48 V DC redundant, or 110 to 250 V DC and 110 to 230 V ACPoE (802.3af) Ports Supportedn/aPoE Plus (802.3at) Ports Supportedn/aRegulatory ApprovalsSafetyEN 60950-1, cUL508 (pending)Hazardous LocationsISA 12.12.01, CSA 22.2 No. 213 (pending)Shipn/aTransportationNEMA TS2 (pending)Railway (norm)EN 50121-4 (pending)SubstationIEC 61850-3, IEEE 1613ReliabilityMTBF RangePending	SD Interface	1 x to connect auto-configuration adapter ACA31 (SD-card)	
PoE (802.3af) Ports Supported n/a PoE Plus (802.3af) Ports Supported n/a Regulatory Approvals EN 60950-1, cUL508 (pending) Bazardous 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	Power Requirements		
PoE Plus (802.3at) Ports Supported n/a Regulatory Approvals 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	Operating Voltage	24 to 48 V DC redundant, or 110 to 250 V DC and 110 to 230 V AC	
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	PoE (802.3af) Ports Supported	n/a	
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Ship n/a Transportation NEMA TS2 (pending) Railway (norm) EN 50121-4 (pending) Substation IEC 61850-3, IEEE 1613 Reliability MTBF Range Pending	Safety	EN 60950-1, cUL508 (pending)	
Transportation NEMA TS2 (pending) Railway (norm) EN 50121-4 (pending) Substation IEC 61850-3, IEEE 1613 Reliability MTBF Range Pending	Hazardous Locations	ISA 12.12.01, CSA 22.2 No. 213 (pending)	
Railway (norm) EN 50121-4 (pending) Substation IEC 61850-3, IEEE 1613 Reliability MTBF Range Pending	Ship	n/a	
Substation IEC 61850-3, IEEE 1613 Reliability MTBF Range Pending	Transportation	NEMA TS2 (pending)	
Reliability MTBF Range Pending	Railway (norm)	EN 50121-4 (pending)	
MTBF Range Pending	Substation	IEC 61850-3, IEEE 1613	
	Reliability		
Warranty 5 years standard	MTBF Range	Pending	
	Warranty	5 years standard	

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

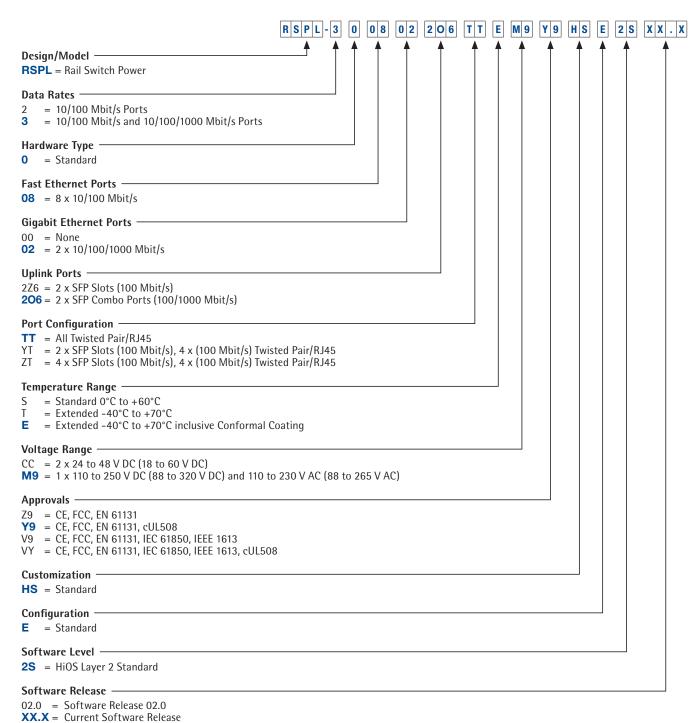
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RSPL Series Managed Industrial Ethernet Switch Configurations



Fast and Gigabit Ethernet Networks



 $\textbf{NOTE:} \ \ \textbf{The part number categories (\textbf{Configuration} \ \textbf{and} \ \ \textbf{Software} \ \ \textbf{Release}) \ \textbf{are optional}.$

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