

RUGGEDCOM RSL910 is a 10 port, industrially hardened, fully managed Ethernet switch with 128-bit encryption supporting 2 VDSL2 ports, 2 Gigabit Ethernet SFP ports and 6 Fast Ethernet RJ45 ports. The VDSL2 ports allow LAN segments up to 3 km over telephone grade cable at up to 85 Mbps. . . DIN Rail Mount HI (88-300 VDC or 85-264 VAC) . Manufacturing Modification: None

transfer rate	
transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s
transfer rate	
<ul style="list-style-type: none"> with EoVDSL / maximum 	85 Mbit/s
interfaces	
number of electrical/optical connections / for network components or terminal equipment / maximum	10; 6 fast Ethernet ports (10/100BaseTX), 2 SFP ports, 2 VDSL2 ports
number of electrical connections	
<ul style="list-style-type: none"> for network components or terminal equipment / maximum 	8
<ul style="list-style-type: none"> for EoVDSL / maximum 	2
<ul style="list-style-type: none"> for management purposes 	2
type of electrical connection	
<ul style="list-style-type: none"> for power supply 	terminal block
number of optical interfaces / for network components or terminal equipment / maximum	2
range / at the optical interface / depending on the optical fiber used	
<ul style="list-style-type: none"> minimum 	0.5 km
<ul style="list-style-type: none"> maximum 	90 km
signal inputs/outputs	
operational current / of the signaling contacts / at DC / at 30 V / maximum	2 A
relay design	Form-C contact relay (CO, change over)
supply voltage, current consumption, power loss	
product options / wide range power supply	Yes
power loss [W]	
<ul style="list-style-type: none"> maximum 	13 W
supply voltage / 1 / rated value	24 V
<ul style="list-style-type: none"> supply voltage / 1 / rated value 	10 ... 36 V
<ul style="list-style-type: none"> type of voltage / 1 / of the supply voltage 	DC
<ul style="list-style-type: none"> consumed current / 1 / at rated supply voltage / maximum 	0.525 A
supply voltage / 2 / rated value	48 V
<ul style="list-style-type: none"> supply voltage / 2 / rated value 	36 ... 72 V
<ul style="list-style-type: none"> type of voltage / 2 / of the supply voltage 	DC
<ul style="list-style-type: none"> consumed current / 2 / at rated supply voltage / maximum 	0.258 A
supply voltage / 3 / rated value	
<ul style="list-style-type: none"> supply voltage / 3 / rated value 	88 ... 300 V
<ul style="list-style-type: none"> type of voltage / 3 / of the supply voltage 	DC
<ul style="list-style-type: none"> consumed current / 3 / at rated supply voltage / maximum 	0.107 A
supply voltage / 4 / rated value	
<ul style="list-style-type: none"> supply voltage / 4 / rated value 	85 ... 264 V
<ul style="list-style-type: none"> type of voltage / 4 / of the supply voltage 	AC
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +85 °C
<ul style="list-style-type: none"> note 	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
coating	conformal coating optional
operating condition / fanless operation	Yes

protection class IP	IP30
design, dimensions and weights	
depth	124.7 mm
height	187.96 mm
width	66.15 mm
net weight	1134 g
material / of the enclosure	20 AWG galvanized steel enclosure
fastening method	
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
product features, product functions, product components / general	
product function	
• switch-managed	Yes
• automatic selection of the fastest transfer rate	Yes
• switchover master or slave with software	Yes
protocol / is supported	
• TFTP	Yes
• IGMP (snooping/querier)	Yes
number of groups / at IGMP	256
range / at VDSL interface / maximum	3.3 km
transmission mode / FDM	Yes
storage capacity	
• of message buffer / maximum	1 Mibyte
switch latency period	8 µs
transfer rate / of the switch	1.8 Gbit/s
number of priority channels	4
product feature / Store & Forward switching method	Yes
product functions / management, configuration, engineering	
product function	
• CLI	Yes
• web-based management	Yes
• RMON	Yes
• MIB support	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
product functions / diagnostics	
protocol / is supported	
• SNMP v1	Yes
• SNMP v2c	Yes
• SNMP v3	Yes
product functions / DHCP	
product function	
• DHCP client	Yes
product functions / VLAN	
number of VLANs / maximum	255
product function / VLAN - port based	Yes
protocol / is supported / GVRP	Yes
product functions / redundancy	
product function	
• redundancy procedure MSTP	Yes
• redundancy procedure RSTP	Yes
• eRSTP	Yes
protocol / is supported / RSTP	Yes
product functions / security	
product function	
• port-rate-limiting	Yes
adjustable port-rate-limitation	128 kbit/s ... 8 Mbit/s
product function	

<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes
<ul style="list-style-type: none"> • SSL 	Yes
<ul style="list-style-type: none"> • TACACS+ 	Yes
key length	
<ul style="list-style-type: none"> • with RSA 	1024 bit
product functions / time	
protocol / is supported	
<ul style="list-style-type: none"> • SNMP 	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for EMC 	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
<ul style="list-style-type: none"> • for safety / from CSA and UL 	cCSAus (CSA C22.2 No. 60950, UL 60950, EN60950)
laser protection class	21 CFR Chapter 1, Subchapter J
certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • relating to NEMA 	TS 2
<ul style="list-style-type: none"> • railway application in accordance with EN 50121-3-2 	Yes
<ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 	Yes
<ul style="list-style-type: none"> • IEC 61850-3 	No
<ul style="list-style-type: none"> • IEEE 1613 	Yes
product conformity	
<ul style="list-style-type: none"> • RFC768-UDP 	Yes
<ul style="list-style-type: none"> • RFC783-TFTP 	Yes
<ul style="list-style-type: none"> • RFC791-IP 	Yes
<ul style="list-style-type: none"> • RFC792-ICMP 	Yes
<ul style="list-style-type: none"> • RFC793-TCP 	Yes
<ul style="list-style-type: none"> • RFC826-ARP 	Yes
<ul style="list-style-type: none"> • RFC854-Telnet 	Yes
<ul style="list-style-type: none"> • RFC894-IP over Ethernet 	Yes
<ul style="list-style-type: none"> • RFC1112-IGMPv1 	Yes
<ul style="list-style-type: none"> • RFC1519-CIDR 	Yes
<ul style="list-style-type: none"> • RFC2030-SNTP 	Yes
<ul style="list-style-type: none"> • RFC2068-HTTP 	Yes
<ul style="list-style-type: none"> • RFC2236-IGMPv2 	Yes
<ul style="list-style-type: none"> • RFC2284-EAP 	Yes
<ul style="list-style-type: none"> • RFC2475-Differentiated Service 	Yes
<ul style="list-style-type: none"> • RFC2865-RADIUS 	Yes
<ul style="list-style-type: none"> • RFC3414-SNMPv3-USM 	Yes
<ul style="list-style-type: none"> • RFC3415-SNMPv3-VACM 	Yes
<ul style="list-style-type: none"> • RFC1541-DHCP (client) 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3-10BaseT 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3u-100BaseTX 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3u-100BaseFX 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3x-Flow Control 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3z-1000BaseLX 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3ab-1000BaseT 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.3ad-Link Aggregation 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1d-MAC Bridges 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1d-STP 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1p-class of service 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1Q-VLAN tagging 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1Q-2005 (formerly IEEE 802.1s) MSTP 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1x-port based Network Access Control 	Yes
<ul style="list-style-type: none"> • according to IEEE 802.1D-2004-RSTP 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	http://www.siemens.com/snst

- to website: Industry Mall/RUGGEDCOM selector
- to website: Industrial communication
- to website: Siemens RUGGEDCOM
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <http://ruggedcom-selector.automation.siemens.com>
- <http://www.siemens.com/simatic-net>
- <http://siemens.com/ruggedcom>
- <http://automation.siemens.com/bilddb>
- <http://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval	other	Dangerous Good	Environment
Manufacturer Declaration 	 inspection certificate	Dangerous Goods Information	

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