



Figure similar

RUGGEDCOM RST916C is a 16 port industrially hardened, fully managed 10G Ethernet switch featuring integrated IEEE 1588 support for use in harsh industrial environments. The product has 4x 1/10Gbit/s SFP+ slots and 12x 10/100/1000Mbit/s RJ45 ports. -40°C to +85°C operating temperature (fanless). . . .

product type designation	
product brand name	RUGGEDCOM
product type designation	RST916C
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	16
number of 10/100/1000 Mbit/s RJ45 ports	12
number of electrical connections	
• for SFP+	4
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	2
type of electrical connection	
• for operator console	USB
• for management purposes	USB
• for signaling contact	3-pole terminal block, screwable
• for power supply	5-pole terminal block, screwable
design of the removable storage	
• CLP	Yes
operational current / of the signaling contacts	
• at AC / maximum	2 A
• at DC / maximum	2 A
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	10 ... 60 V
type of voltage / 2 / of the supply voltage	DC
• supply voltage / 2 / rated value	88 ... 300 V
ambient conditions	
ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
operating condition / fanless operation	Yes
protection class IP	IP30

design, dimensions and weights	
design	compact
width	116 mm
height	177 mm
depth	163 mm
net weight	3.75 kg
material / of the enclosure	Cast Aluminum Enclosure
fastening method	
• 19-inch installation	No
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
product features, product functions, product components / general	
number of automatically learnable MAC addresses	16384
product feature	
• Cut Through switching method	Yes
• Store & Forward switching method	Yes
product functions / management, configuration, engineering	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• RMON	Yes
• port mirroring	Yes
• CoS	Yes
• switch-managed	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• GMRP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
product functions / VLAN	
product function	
• VLAN - port based	Yes
number of VLANs / maximum	255
product functions / DHCP	
product function	
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	No
• DHCP Option 67	No
product functions / redundancy	
product function	
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure MSTP	Yes
• eRSTP	Yes
protocol / is supported	
• STP	Yes
• RSTP	Yes
• MSTP	Yes
product functions / security	
product function	
• IEEE 802.1x (radius)	Yes

protocol / is supported	
• RADIUS	Yes
• SSH	Yes
• SSL	Yes
product functions / time	
product function	
• NTP-client	Yes
• SNTP client	Yes
• IEEE 1588 v2 transparent forwarding	Yes
protocol / is supported	
• SNTP	Yes
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
standard	
• for EMC	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
• for safety / from CSA and UL	cTUVus (Compliant with CSA C22.2 No. 60950, UL60950, EN60950)
standards, specifications, approvals / other	
certificate of suitability	
• IEC 61850-3	Yes
• IEEE 1613	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	630.27 kg
• during manufacturing	82.01 kg
• during operation	547.91 kg
• after end of life	0.35 kg
product functions / general	
laser protection class	Complies with 21 CFR chapter 1, subchapter J
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KFE
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)
Approvals / Certificates	
General Product Approval	



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[Declaration of Conformity](#)

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