



Figure similar

RUGGEDCOM RS900NC is a 9-port, industrially hardened, fully managed Ethernet switch with 56-bit encryption supporting 6 Fast Ethernet RJ45 ports and up to 3 Fast Ethernet Fiber ports available over multiple fiber connector types and distances.

<b>product type designation</b>	<b>RUGGEDCOM RS900NC</b>
<b>transfer rate</b>	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	9; Number of ports depending on configuration
<b>interfaces / other</b>	
number of electrical connections	
• for operator console	1
• for management purposes	0
type of electrical connection	
• for operator console	RS232
• for signaling contact	3-pole terminal block, screwable
• for power supply	5-pole terminal block, screwable
<b>signal inputs/outputs</b>	
relay design	Form-C contact relay (SPDT)
type of relay output	Changeover contact (CO)
operational current / of the signaling contacts	
• at DC / at 30 V / maximum	2 A
<b>supply voltage, current consumption, power loss</b>	
product options / wide range power supply	Yes
<b>type of voltage / 1 / of the supply voltage</b>	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	10 W
• consumed current / 1 / at rated supply voltage / maximum	0.4 A
• supply voltage / 1 / rated value	10 ... 36 V
<b>type of voltage / 2 / of the supply voltage</b>	DC
• supply voltage / 2 / rated value	48 V
• consumed current / 2 / at rated supply voltage / maximum	0.2 A
• supply voltage / 2 / rated value	36 ... 72 V
<b>type of voltage / 3 / of the supply voltage</b>	DC
• supply voltage / 3 / rated value	88 ... 300 V
<b>type of voltage / 4 / of the supply voltage</b>	AC
• supply voltage / 4 / rated value	85 ... 264 V
<b>ambient conditions</b>	
ambient temperature	
• during operation	-40 ... +85 °C
• note	A maximum operating temperature of +85 °C is permissible for a duration of 16 hours
operating condition / fanless operation	Yes
protection class IP	IP40

design, dimensions and weights	
design	compact
width	66 mm
height	188 mm
depth	127 mm
net weight	1.22 kg
product feature / conformal coating	optional
material / of the enclosure	20 AWG galvanized steel enclosure
fastening method	
• 19-inch installation	No
• 35 mm top hat DIN rail mounting	Yes
• wall mounting	Yes
product features, product functions, product components / general	
number of automatically learnable MAC addresses	8192
storage capacity	
• of message buffer / maximum	128 Kibyte
switch latency period	4 µs
transfer rate / of the switch	7.6 Gbit/s
number of priority channels	4
product feature	
• no head-off-line-blocking	Yes
• Store & Forward switching method	Yes
• Zero-Packet-Loss technology	Yes; Zero-Packet-Loss applies to fiber optic interfaces
product functions / management, configuration, engineering	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• RMON	Yes
product function / switch-managed	Yes
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	No
• SNMP v1	Yes
• SNMP v2	No
• SNMP v2c	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
number of groups / at IGMP	256
product function	
• for MIB support / by BRIDGE-MIB	RFC4188
• for MIB support / by IF-MIB	RFC2863
• for MIB support / by RMON-MIB	RFC2819
• for MIB support / by RSTP-MIB	RFC4318
• for MIB support / by SNMPv2-MIB	RFC1907
• for MIB support / by SNMPv2-SMI	RFC2578
• for MIB support / by SNMPv2-TC	RFC2579
• for MIB support / by TCP-MIB	RFC2012
• for MIB support / by UDP-MIB	RFC2013
product functions / VLAN	
product function	
• VLAN - port based	Yes
number of VLANs / maximum	255
VLAN identification number	1 ... 4094
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	

<ul style="list-style-type: none"> <li>• DHCP client</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP Option 82</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• DHCP Option 66</li> </ul>	No
<ul style="list-style-type: none"> <li>• DHCP Option 67</li> </ul>	No
<b>product functions / redundancy</b>	
product function	
<ul style="list-style-type: none"> <li>• redundancy procedure STP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure RSTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• redundancy procedure MSTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• eRSTP</li> </ul>	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>• STP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• RSTP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• MSTP</li> </ul>	Yes
<b>product functions / security</b>	
product function	
<ul style="list-style-type: none"> <li>• IEEE 802.1x (radius)</li> </ul>	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>• TACACS+</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SSH</li> </ul>	No
<ul style="list-style-type: none"> <li>• SSL</li> </ul>	Yes
key length	
<ul style="list-style-type: none"> <li>• with SSL</li> </ul>	56 bit
<ul style="list-style-type: none"> <li>• with RSA</li> </ul>	1024 bit
product function / port-rate-limiting	Yes
adjustable port-rate-limitation	128 kbit/s ... 8 Mbit/s
<b>product functions / time</b>	
product function	
<ul style="list-style-type: none"> <li>• SNTP client</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• SNTP server</li> </ul>	Yes
protocol / is supported	
<ul style="list-style-type: none"> <li>• SNTP</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
standard	
<ul style="list-style-type: none"> <li>• for safety / from CSA and UL</li> </ul>	cCSAus (Compliant with CSA C22.2 No. 60950, UL60950, EN60950)
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> </ul>	KF
<ul style="list-style-type: none"> <li>• according to IEC 81346-2:2019</li> </ul>	KFE
<b>standards, specifications, approvals / CE</b>	
certificate of suitability / CE marking	Yes
standard	
<ul style="list-style-type: none"> <li>• for EMC</li> </ul>	FCC Part 15 (Class A), EN55022 (CISPR22 Class A)
<b>standards, specifications, approvals / other</b>	
laser protection class	Complies with 21 CFR chapter 1, subchapter J
certificate of suitability	
<ul style="list-style-type: none"> <li>• IEC 61850-3</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to FIPS 140-2</li> </ul>	No
<ul style="list-style-type: none"> <li>• according to Common Criteria (CC)</li> </ul>	No
<b>standards, specifications, approvals / product conformity</b>	
product conformity	
<ul style="list-style-type: none"> <li>• according to IEEE 802.3-10BaseT</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.3u-100BaseTX</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.3u-100BaseFX</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.3ad-Link Aggregation</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.3x-Flow Control</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.1d-MAC Bridges</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.1d-STP</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.1p-class of service</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.1Q-VLAN tagging</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• according to IEEE 802.1Q-2005 (formerly IEEE 802.1s)</li> </ul>	Yes
MSTP	



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