

6GK6091-0AD2.-.... RS910L

Technical Data

Product-type designation



RUGGEDCOM RS910L

RUGGEDCOM RS910L IS AN 2 PORT INDUSTRIALLY HARDENED, FULLY MANAGED ETHERNET SWITCH SUPPORTING EOVDL ALLOWING UP TO 5KM LAN SEGMENTS OVER TELEPHONE GRADE CABLE AT UP TO 35MBPS. 128-BIT ENCRYPTION; 1 ETHERNET OVER VDSL (EOVDL) INTERFACE; 2 SERIAL AND/OR 2 FAST ETHERNET PORTS; RS485/RS422/RS232 SERIAL PORTS; SERIAL FIBER INERFACE; 10/100BASETX OR 100BASEFX ETHERNET PORTS

Transmission rate

Transfer rate / 1 / for Industrial Ethernet	10 Mbit/s
Transfer rate / 2 / for Industrial Ethernet	100 Mbit/s

Interfaces

Number of electrical/optical connections / for network components or terminal equipment / maximum	2
<ul style="list-style-type: none"> remark 	10/100BaseTX or 100BaseFX
Number of electrical connections	
<ul style="list-style-type: none"> for network components and terminal equipment maximum for serial interfaces / in accordance with RS 232/RS 422/RS 485 / maximum 	2
Number of optical connections / for network components or terminal equipment / maximum	2
Range / at the optical interface / depending on the optical fiber used	20...90 km
Design of the electrical connection / for power supply	terminal block

Signal-Inputs/outputs

Relay design	Form-C contact relay (CO, change over)
operating current / of the signal contact / at DC / at 30 V / maximum	1 A

Supply voltage, current consumption, power loss

product options / wide range power supply	Yes
Type / 1 / of supply voltage	DC
Supply voltage / 1	
<ul style="list-style-type: none"> rated value 	24 V
<ul style="list-style-type: none"> rated value 	10...36 V
Current consumed / 1 / at rated value of supply voltage / max.	0.4 A
Type / 2 / of supply voltage	DC
Supply voltage / 2	
<ul style="list-style-type: none"> rated value 	48 V
<ul style="list-style-type: none"> rated value 	36...72 V
Current consumed / 2 / at rated value of supply voltage / max.	0.2 A
Type / 3 / of supply voltage	DC
Supply voltage / 3	
<ul style="list-style-type: none"> rated value 	88...300 V
Type / 4 / of supply voltage	AC
Supply voltage / 4	
<ul style="list-style-type: none"> rated value 	85...264 V
Active power loss / maximum	10 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operating 	-40...+85 °C
<ul style="list-style-type: none"> Comment 	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	IP40
Width	66 mm (2.6 in)
Height	188 mm (7.4 in)
Depth	127 mm (5 in)
Net weight	1220 g
Material / of the enclosure	20 AWG galvanized steel enclosure
Mounting type	
<ul style="list-style-type: none"> 35 mm DIN rail mounting 	Yes
<ul style="list-style-type: none"> wall mounting 	Yes
Product properties, functions, components / general	
product function	
<ul style="list-style-type: none"> switch-managed 	Yes
<ul style="list-style-type: none"> RAW socket mode for any serial protocols 	No
<ul style="list-style-type: none"> automatic selection of the fastest transmission rate 	Yes
<ul style="list-style-type: none"> changeover master or slave with software 	Yes
<ul style="list-style-type: none"> Modbus RTU to Modbus TCP conversion 	No

protocol / is supported	
• TFTP	No
• DNP3	No
• Modbus TCP	Yes
• IGMP (snooping/querier)	Yes
number of groups / at IGMP	256
operating distance / of VDSL interface / maximum	5 km
transmission method / FDM	Yes
memory capacity	
• of message buffer / maximum	1 Mibyte
• of MAC-address table	16 Kibyte
switch-latency period	8 μ s
transfer rate / of the switch	1.8 Gbit/s
number of priority channels	4
product characteristic / Switching-Method Store & Forward	Yes
Product functions / management, configuration	
Product function	
• CLI	Yes
• web-based management	Yes
• RMON	Yes
• MIB support	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	No
Product functions / Diagnosis	
Protocol / is supported	
• SNMP v1	Yes
• SNMP v2c	Yes
• SNMP v3	Yes
Product functions / VLAN	
Number of VLANs / maximum	4094
Product function / VLAN - port based	Yes
Protocol / is supported / GVRP	Yes
Product functions / DHCP	
Product function	
• DHCP client	Yes
Product functions / Redundancy	
product function	
• redundancy procedure MSTP	Yes
• RSTP redundancy protocol	Yes
• eRSTP	Yes

Protocol / is supported / RSTP	Yes
Product functions / Security	
Product function / IEEE 802.1x (radius) protocol / is supported	Yes
<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"> • at RSA 	1024 bit
product function / port-rate-limiting	Yes
adjustable port-rate-limitation	128 kbit/s...8 Mbit/s
Product functions / Time	
Protocol / is supported	
<ul style="list-style-type: none"> • SNTP 	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 / of CSA and UL 	cCSAus (CSA C22.2 No. 60950, UL 60950, EN60950)
Laser protection class	21 CFR Chapter 1, Subchapter J
Verification of suitability	
<ul style="list-style-type: none"> • CE mark 	Yes
<ul style="list-style-type: none"> • regarding NEMA 	TS 2
<ul style="list-style-type: none"> • IEC 61850-3 	Yes
<ul style="list-style-type: none"> • IEEE 1613 	Yes
Further Information / Internet Links	
Internet link	
<ul style="list-style-type: none"> • to website 	
<ul style="list-style-type: none"> • Industry Mall/RUGGEDCOM Selector 	http://ruggedcom-selector.automation.siemens.com
<ul style="list-style-type: none"> • 	http://www.siemens.com/industrial-controls/mall
<ul style="list-style-type: none"> • selection instrument cables and connectors 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • Information und Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • 	http://support.automation.siemens.com

letzte Änderung:

Jan 20, 2014

