

6GK6093-0AD2.-.... RUGGEDCOM RS930L

Technical Data

Product-type designation



RUGGEDCOM RS930L

RUGGEDCOM RS930L IS A 6 PORT INDUSTRIALLY HARDENED, FULLY MANAGED ETHERNET SWITCH SUPPORTING EOVDSL ALLOWING UP TO 5KM LAN SEGMENTS OVER TELEPHONE GRADE CABLE AT UP TO 35MBPS. 128-BIT ENCRYPTION; UP TO TWO ETHERNET OVER VDSL (EOVDSL) INTERFACES; 6 FAST ETHERNET PORTS (10/100BASETX)

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	6
<ul style="list-style-type: none"> remark 	Up to two Ethernet over VDSL (EoVDSL) interfaces
Number of electrical connections	
<ul style="list-style-type: none"> for network components and terminal equipment maximum 	6
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 of voltage / 1 / of the supply voltage	DC
Supply voltage / 1	
<ul style="list-style-type: none"> rated value 	24 V
	10...36 V

<ul style="list-style-type: none"> rated value 	
Current consumed / 1 / at rated value of supply voltage / max.	0.4 A
Type of voltage / 2 / of the 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 of voltage / 3 / of the supply voltage	DC
Supply voltage / 3	
<ul style="list-style-type: none"> rated value 	88...300 V
Type of voltage / 4 / of the 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
Type of mounting	
<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"> transmission of serial data via IP-Networks 	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 	Yes
protocol / is supported	
<ul style="list-style-type: none"> TFTP 	No

• DNP3	Yes
• Modbus TCP	Yes
• TIN	Yes
• WIN	Yes
• Microlok	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 µs
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
	Yes

<ul style="list-style-type: none"> • RSTP redundancy protocol 	
<ul style="list-style-type: none"> • 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 adjustable port-rate-limitation	Yes 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"> • IEEE 1613 	Yes
Further Information / Internet Links	
Internet-link	
<ul style="list-style-type: none"> • onto website 	
<ul style="list-style-type: none"> • Industry Mall/RuggedCom Selector 	http://ruggedcom-selector.automation.siemens.com
<ul style="list-style-type: none"> • Industry Mall 	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"> • CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • Industry Online Support 	http://support.automation.siemens.com

letzte Änderung:

Jan 20, 2014

www.ipc2u.de www.ipc2u.com Date. 01/2014 Rev.01