


6GK6003-0AC2.-.... RUGGEDCOM RMC30

Technical Data

Product-type designation	RUGGEDCOM RMC30
Product description	2-Port Serial-to-Ethernet Converter, 128-bit Encryption RUGGEDCOM RMC30 2-PORT SERIAL-TO-ETHERNET SERVER 128-BIT ENCRYPTION;
 <p>The image shows a black, rectangular industrial device. On the front panel, there is a 'SIEMENS' logo at the top. Below it are two circular indicators labeled 'RESET ALARM' and 'ACT'. To the right of these are two square buttons labeled 'POWER'. A 'LINK' indicator is located below the buttons. The central part of the panel features a 7-pin terminal block with labels: 'RX', 'TX', 'COM', 'RX -', 'RX +', 'TX -', and 'TX +'. To the right of the terminal block are labels for 'RS232', 'RS422/485', and 'RS422'. At the bottom, there are two more circular indicators labeled 'TX' and 'RX', and the text 'RUGGEDCOM RMC30'.</p>	
Transmission rate	
Transfer rate	
<ul style="list-style-type: none"> • 1 • 2 	<p>10 Mbit/s</p> <p>100 Mbit/s</p>
Transfer rate	
<ul style="list-style-type: none"> • in accordance with RS 232 • in accordance with RS 422/485 	<p>300...115200 bit/s</p> <p>300...115200 bit/s</p>
Interfaces	
Number of electrical/optical connections / for network components or terminal equipment / maximum	2
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 • for power supply • for redundant power supply 	<p>1</p> <p>1</p> <p>2</p> <p>1</p> <p>0</p>
Design of electrical connection	
<ul style="list-style-type: none"> • for network components and terminal equipment 	RJ45-Port, 7-pole terminal block

<ul style="list-style-type: none"> for power supply 	3-pole terminal block
Number of optical connections / for fiber-optic cables	
<ul style="list-style-type: none"> at 10 Mbit/s 	1
Design of optical interface / for optical waveguide	
<ul style="list-style-type: none"> at 10 Mbit/s 	ST-Port (BFOC-Port)
Range / at the optical interface / depending on the optical fiber used	2...2 km
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
<ul style="list-style-type: none"> rated value 	18...36 V
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...59 V
Type of voltage / 3 / of the supply voltage	DC
Supply voltage / 3	
<ul style="list-style-type: none"> nominal value 	110 V
<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...265 V
Product component / fusing at power supply input	Yes
Power loss	
<ul style="list-style-type: none"> maximum 	2 W
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during operating 	-40...+85 °C
<ul style="list-style-type: none"> during storage 	-40...+85 °C
<ul style="list-style-type: none"> during transport 	-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
Relative humidity / at 25 °C / without condensation / during operating / maximum	95 %
Coating	conformal coating optional
operating condition / fanless operation	Yes
Protection class IP	IP40
Design, dimensions and weight	
Design	compact
Width	58 mm (2.28 in)
Height	109 mm (4.29 in)

Depth	94 mm (3.7 in)
Net weight	0.68 kg
Material / of the enclosure	21 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"> • S7-300 rail mounting 	No
<ul style="list-style-type: none"> • Installation 19 inch 	No
<ul style="list-style-type: none"> • wall mounting 	Yes
product component part / integrated / Ethernet switch	No
product function	
<ul style="list-style-type: none"> • Modbus RTU to Modbus TCP conversion 	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • DNP3 	Yes
<ul style="list-style-type: none"> • GVRP 	No
<ul style="list-style-type: none"> • HTTP 	Yes
<ul style="list-style-type: none"> • Modbus TCP 	Yes
<ul style="list-style-type: none"> • TFTP 	Yes
Product function / CLI	Yes
Product function / RMON	No
Product function / web-based management	Yes
Protocol / is supported / Telnet	Yes
Product function / MIB support	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • SNMP v1 	Yes
<ul style="list-style-type: none"> • SNMP v3 	Yes
Product function / VLAN - port based	No
Product function	
<ul style="list-style-type: none"> • DHCP client 	Yes
<ul style="list-style-type: none"> • DHCP Option 82 	No
product function	
<ul style="list-style-type: none"> • redundancy procedure MSTP 	No
<ul style="list-style-type: none"> • RSTP redundancy protocol 	No
<ul style="list-style-type: none"> • eRSTP 	No
Protocol / is supported	
<ul style="list-style-type: none"> • MSTP 	No
<ul style="list-style-type: none"> • RSTP 	No
Product function / IEEE 802.1x (radius)	No
Protocol / is supported / SSL	Yes
Protocol / is supported	
<ul style="list-style-type: none"> • NTP 	No
<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 	UL 60950-1, CSA C22.2 no. 60950-7
<ul style="list-style-type: none"> • for hazardous area / of CSA and UL 	Hazardous Locations: Class 1 Division 2
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
Laser protection class	Complies with 21 CFR Chapter 1, Subchapter J
Verification of suitability	EN 61000-6-2, EN 61000-6-10
Verification of suitability	
<ul style="list-style-type: none"> • regarding NEMA 	TS 2
<ul style="list-style-type: none"> • CE mark 	Yes
<ul style="list-style-type: none"> • C-Tick 	No
<ul style="list-style-type: none"> • IEC 61850-3 	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"> • 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 und 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:	Feb 24, 2014