



RR-EPL TX/TX

Industrial Networking:Industrial Ethernet:Powerlink Router:Chassis

Product description

Description	Gateway for Realtime Powerlink
Port type and quantity	Trusted port Powerlink: 1 x 10/100BASE-TX, TP cable, RJ45 socket, auto-crossing, auto-negotiation, auto-polarity Untrusted port: 1 x 10/100BASE-TX, TP cable, RJ45 socket, auto-crossing, auto-negotiation, auto-polarity
Type	RR-EPL TX/TX
Order No.	943 011-021
Modi	Router, Single Client Transparent (SCT) und Multi Client, Transparent(MCT), PPPoE, PPTP SDO communication according to Powerlink specification Controlled mode in Powerlink segment (slave)

More Interfaces

Power supply/signaling contact	1 plug-in terminal block, 6-pin
V.24 interface	1 x RJ11 socket

Network size - length of cable

Twisted pair (TP)	0 - 100 m
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Security

Stateful inspection firewall	Firewallrules (Incoming/Outgoing, modem-access, management) IP masquerading, 1-to-1 NAT, ARP limiter
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Power requirements

Operating voltage	24 V DC (-25% to +30%)
Current consumption at 24 V DC	max. 335 mA

Service

Diagnostics	serial, HTTPS, SSH,SNMP V1/V2/V3, HiVision LEDs (power, link status, data, error, ACA) signal contact (24 V DC / 1 A), logfile
Configuration	Terminal-SW, DHCP, auto-configuration-adapter (ACA11), HiDiscovery
Other services	DHCP Server, DHCP Client, DynDNS, Dial In access via V.24, NTP

Redundancy

Redundancy functions	redundant power supply
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Ambient conditions

Operation temperature	0 °C to +55 °C
Storage/transport temperature	-40 °C to +80 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	27.4 years; MIL-HDBK 217F: Gb 25 °C

Mechanical construction

Dimensions (W x H x D)	47 mm x 131 mm x 111 mm
Mounting	DIN rail 35 mm
Weight	340 g
Protection class	IP 20

Mechanical stability

IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
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IEC 60068-2-6 vibration	1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7g, 13,2 Hz - 100 Hz, 90 min.; 3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 2000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (linie/earth), 1 kV (linie/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508 (pending)
Hazardous locations	cUL 1604 Class1 Div 2 (pending)
Germanischer Lloyd	Germanischer Lloyd (pending)
Scope of delivery and accessories	
Scope of delivery	device, terminal block, operation instructions, CD-manual
Accessories to order separately	Rail Power Supply RPS 30, RPS 60 or RPS 120, terminal cable, Network management HiVision, modem-cabel, auto-configuration adapter (ACA 11), 19" installation frame