


FL MGUARD RS4000 TX/TX VPN

Order No.: 2200515

<http://catalog.phoenixcontact.net/phoenix/treeViewClick.do?UID=2200515>

Security appliance in metal housing, with extended temperature range, SD card slot, VPN for 10 VPN tunnels (optionally up to 250 with additional license), intelligent firewall with full scope of functions for maximum security and easy configuration, router with NAT/1:1 NAT, optional CIFS integrity monitoring

Commercial data	
EAN	 4 046356 597289
Note	Made-to-order
sales group	K006
Pack	1 Pcs.
Customs tariff	85176200
Gross weight in pieces	0.8868 KG
Net weight per piece	0.8868 KG

Product notesWEEE/RoHS-compliant since:
08/02/2011

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Technical data	
Interfaces	
Interface 1	Ethernet
No. of ports	2
Connection method	RJ45

Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
Interface 2	Potential-free signaling contact
Connection method	Plug-in/screw connection via COMBICON
Interface 3	VPN - release button
Connection method	24 V DC/250 mA can be connected as an option
Function	
Management	Web based management, SNMP or over V.24 (RS-232)
Supported browsers	HTTPS support required
Processor	330 MHz
Status and diagnostic indicators	LEDs:P1, P2, Fault, State, Error, LAN, WAN
Network expansion parameters	
Maximum conductor length ((twisted pair)	100 m
Supply voltage	
Supply voltage	24 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 36 V DC
Typical current consumption	100 mA
Max. current consumption	0.24 A
General data	
Width	45 mm
Height	130 mm
Depth	114 mm
Mounting type	DIN rail
Type AX	Stand-alone
Weight	725 g
Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (no condensation)
Housing material	Metal

Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	6 kV contact discharge, 8 kV air discharge
Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	10 V/m (80-2000 MHz)
Test standard	IEC 61000-4-4 (burst)
Test result	2 kV power line, 1kV data line
Test standard	IEC 61000-4-5 (surge)
Test result	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	3 V(10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

Security functions

Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Network Time Protocol (NTP) client	Client
Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Remote Syslog Logging	On external server
Virtual private network (VPN) throughput	max. 40 Mbps (Router) max. 26 Mbps (Stealth mode, VPN bidirectional throughput)
Number of VPN tunnels	10 (As an option, up to 250, with additional license FL MGUARD LIC VPN-250/ Order No. 2700193 or 2700192)
Encryption methods	DES, 3DES, AES-128, -192, -256
Internet Protocol Security (IPsec) mode	ESP-Tunnel / ESP-Transport
Authentication	X.509v3 certificates with RSA or PSK
Data integrity	MD5, SHA-1
1:1 Network Address Translation (NAT) in the VPN	Supported
Firewall data throughput	max. 124 Mbps (Router mode, default firewall rules, bidirectional throughput:) max. 58 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Configurable stateful inspection firewall with full scope of functions
Filtering	MAC and IP addresses, ports, protocols

Protection against	IP spoofing, DoS and Syn Flood Protection
Routing	Standard routing, NAT, 1:1-NAT, port forwarding

Certificates / Approvals



Certification

Certifications applied for:

Certification Ex:

Accessories

Item	Designation	Description
Cable/conductor		
2832250	FL CAT5 PATCH 0,3	Patch cable, CAT5, assembled, 0.3 m
2832263	FL CAT5 PATCH 0,5	Patch cable, CAT5, assembled, 0.5 m
2832276	FL CAT5 PATCH 1,0	Patch cable, CAT5, assembled, 1.0 m
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m
2832629	FL CAT5 PATCH 10,0	Patch cable, CAT5, assembled, 10.0 m
2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2832580	FL CAT5 PATCH 5,0	Patch cable, CAT5, assembled, 5.0 m
2832616	FL CAT5 PATCH 7,5	Patch cable, CAT5, assembled, 7.5 m
2891369	FL CAT6 PATCH 12,5	Patch cable, CAT6, pre-assembled, 12.5 m
2891372	FL CAT6 PATCH 15,0	Patch cable, CAT6, pre-assembled, 15.0 m
2891576	FL CAT6 PATCH 20,0	Patch cable, CAT6, pre-assembled, 20.0 m
General		
2744788	FL MC 10BASE-T/FO G850	Fiber optic converter, for converting 10Base-T to multimode fiberglass, (850 nm), B-FOC (ST [®]) FO connection, supply 24 V DC
2891165	FL PF 2TX CAT5E	Patch field with two RJ45 CAT5e network connections
2891178	FL PF 8TX CAT5E	Patch field with eight RJ45 CAT5e network connections
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector

Memory

2988120	SD FLASH 256MB	Program and configuration memory, plug-in, 256 MB
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Plug/Adapter

2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.

Tools

2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site
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Address

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