

Router - FL MGuard RS4000 TX/TX - 2700634

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Security appliance in metal housing, with extended temperature range, SD card slot, intelligent firewall with full scope of functions for maximum security and easy configuration, router with NAT/1:1 NAT, optional VPN/CIFS integrity monitoring

Why buy this product

- Maximum security
- Maximum performance
- Central management tool

Key commercial data

Packing unit	1 pc
GTIN	 4 046356 597272
Weight per Piece (excluding packing)	852.2 g
Weight per piece (including packing)	876.6 g
Custom tariff number	85176200
Country of origin	Germany
Sales Key	O1 - Automation Systems

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	45 mm
Height	130 mm
Depth	114 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Noise immunity	EN 61000-6-2:2005

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Technical data

Interfaces

Interface 1	Ethernet
No. of ports	2 (RJ45)
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

Function

Basic functions	Router with intelligent firewall (VPN, 10 tunnels as an option, up to 250 with additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN (as an option): up to 124 Mbps/40 Mbps (as an option)
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
Signal contact control voltage	24 V DC (typical)
Signal contact control current	250 mA (short-circuit resistant)

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. 41.94304 Mbps (Router mode, VPN bidirectional throughput)
	max. 27.262976 Mbps (Stealth mode, VPN bidirectional throughput)
Number of VPN tunnels	0 (as an option, 10 tunnels up to 250 tunnels, with additional license FL MGUARD LIC VPN-10/ Order No. 2700194 or FL MGUARD LIC VPN-250/ Order No. 2700193 or 2700192)
Encryption methods	DES, 3DES, AES-128, -192, -256
Firewall data throughput	max. 130.023424 Mbps (Router mode, default firewall rules, bidirectional throughput)
	max. 60.817408 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

Network expansion parameters

Maximum conductor length ((twisted pair)	100 m
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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

Mounting type	DIN rail
Type AX	Stand-alone
Weight	725 g
Housing material	Metal
Noise emission	EN 55022 / Class B

Mechanical tests

Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Half-sine 30g, 18 ms, 3 axes
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 150 Hz

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)

Classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	19030101
eCl@ss 6.0	19170103
eCl@ss 7.0	19170103
eCl@ss 8.0	19170103

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Classifications

ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001478
ETIM 5.0	EC001478

UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Listed

cUL Listed

cULus Listed

Accessories

Accessories

Router - FL MGUARD RS4000 TX/TX - 2700634

Accessories

License

License - FL MGUARD LIC VPN-10 - 2700194



License for configuration and operation of 10 VPN tunnels on FL MGUARD.

License - FL MGUARD LIC VPN-250 - 2700193



License for configuration and operation of 250 VPN tunnels on MGUARD.

License - FL MGUARD LIC LIFETIME FW - 2700184



License for lifetime software update of FL MGUARD field devices.

Parameterization memory

Memory - SD FLASH 256MB - 2988120



Program and configuration memory, plug-in, 256 MB

Memory - SD FLASH 512MB - 2988146



Program and configuration memory, plug-in, 512 Mbyte.

Patch cable

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Accessories

Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 m

Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2.0 m

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Accessories

Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

Patch cable - FL CAT6 PATCH 12,5 - 2891369



Patch cable, CAT6, pre-assembled, 12.5 m

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Accessories

Patch cable - FL CAT6 PATCH 15,0 - 2891372



Patch cable, CAT6, pre-assembled, 15.0 m

Patch cable - FL CAT6 PATCH 20,0 - 2891576



Patch cable, CAT6, pre-assembled, 20.0 m

Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket
