

# 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

## Product Features

- Maximum security
- Maximum performance
- Central management tool

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4046356597272

## Technical data

### Note:

<b>Utilization restriction</b>	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

<b>Width</b>	45 mm
<b>Height</b>	130 mm
<b>Depth</b>	114 mm

### Ambient conditions

<b>Degree of protection</b>	IP20
<b>Ambient temperature (operation)</b>	-20 °C ... 60 °C
<b>Ambient temperature (storage/transport)</b>	-20 °C ... 70 °C
<b>Permissible humidity (operation)</b>	5 % ... 95 % (no condensation)
<b>Noise immunity</b>	EN 61000-6-2:2005

### Interfaces

<b>Interface 1</b>	Ethernet
<b>No. of ports</b>	2 (RJ45)
<b>Connection method</b>	RJ45
<b>Transmission physics</b>	Ethernet in RJ45 twisted pair
<b>Transmission speed</b>	10/100 MBit/s
<b>Transmission length</b>	100 m (per segment)

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## Technical data

### Interfaces

<b>Signal LEDs</b>	Supply voltage, data transmission, error, link, activity
<b>Interface 2</b>	Potential-free signaling contact
<b>Connection method</b>	Plug-in/screw connection via COMBICON

### Function

<b>Basic functions</b>	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)
<b>Management</b>	Web based management, SNMP or over V.24 (RS-232)
<b>Supported browsers</b>	HTTPS support required
<b>Processor</b>	330 MHz
<b>Status and diagnostic indicators</b>	LEDs:P1, P2, Fault, State, Error, LAN, WAN

### Network expansion parameters

<b>Maximum conductor length ((twisted pair)</b>	100 m
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### Supply voltage

<b>Supply voltage</b>	24 V DC
<b>Residual ripple</b>	3.6 V <sub>PP</sub> (within the permitted voltage range)
<b>Supply voltage range</b>	9 V DC ... 36 V DC
<b>Typical current consumption</b>	100 mA
<b>Max. current consumption</b>	0.24 A

### General

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

### Mechanical tests

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

### Conformity with EMC directives

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

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### Conformity with EMC directives

<b>Test standard</b>	IEC 61000-4-5 (surge)
<b>Test result</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
<b>Test standard</b>	IEC 61000-4-6 (immunity to conducted interference)
<b>Test result</b>	3 V(10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

### Security functions

<b>Dynamic Host Configuration Protocol (DHCP) support</b>	Server or Relay Agent
<b>Network Time Protocol (NTP) client</b>	Client
<b>Link Layer Discovery Protocol (LLDP)</b>	As per protocol 802.2
<b>Remote Syslog Logging</b>	On external server
<b>Virtual private network (VPN) throughput</b>	max. 41.94304 Mbps (Router mode, VPN bidirectional throughput)
<b>Virtual private network (VPN) throughput</b>	max. 27.262976 Mbps (Stealth mode, VPN bidirectional throughput)
<b>Number of VPN tunnels</b>	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)
<b>Encryption methods</b>	DES, 3DES, AES-128, -192, -256
<b>Firewall data throughput</b>	max. 130.023424 Mbps (Router mode, default firewall rules, bidirectional throughput)
<b>Firewall data throughput</b>	max. 60.817408 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
<b>Firewall rules</b>	Configurable stateful inspection firewall with full scope of functions
<b>Filtering</b>	MAC and IP addresses, ports, protocols
<b>Protection against</b>	IP spoofing, DoS and Syn Flood Protection
<b>Routing</b>	Standard routing, NAT, 1:1-NAT, port forwarding

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27240409
<b>eCl@ss 4.1</b>	27240409
<b>eCl@ss 5.0</b>	27242215
<b>eCl@ss 5.1</b>	19030101
<b>eCl@ss 6.0</b>	19170103
<b>eCl@ss 7.0</b>	19170103
<b>eCl@ss 8.0</b>	19170103

### ETIM

<b>ETIM 3.0</b>	EC001423
<b>ETIM 4.0</b>	EC001478
<b>ETIM 5.0</b>	EC001478

### UNSPSC

<b>UNSPSC 6.01</b>	20142601
<b>UNSPSC 7.0901</b>	20142601

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## classifications

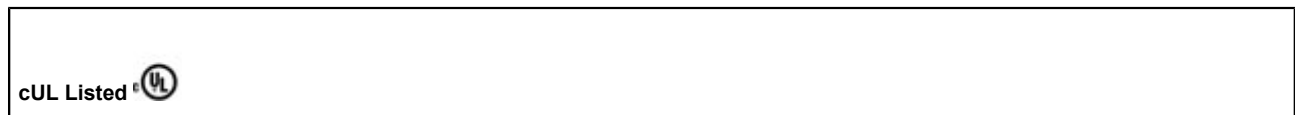
### UNSPSC

UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

## approvals

UL Listed / cUL Listed / cULus Listed /

### Approval details



## accessories

### Patch cable

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



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### accessories

FL CAT5 PATCH 1,0 - 2832276



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FL CAT5 PATCH 1,5 - 2832221



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FL CAT5 PATCH 2,0 - 2832289



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FL CAT5 PATCH 3,0 - 2832292



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FL CAT5 PATCH 5,0 - 2832580



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FL CAT5 PATCH 7,5 - 2832616



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### accessories

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FL CAT5 PATCH 10,0 - 2832629



FL CAT6 PATCH 12,5 - 2891369



FL CAT6 PATCH 15,0 - 2891372



FL CAT6 PATCH 20,0 - 2891576



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### Protective cap

FL RJ45 PROTECT CAP - 2832991



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### License

## Router - FL MGUARD RS4000 TX/TX - 2700634

### accessories

FL MGUARD LIC VPN-10 - 2700194



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FL MGUARD LIC VPN-250 - 2700193



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FL MGUARD LIC LIFETIME FW - 2700184



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### Parameterization memory

SD FLASH 256MB - 2988120



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SD FLASH 512MB - 2988146



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### Drawings

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