

# Router - FL MGUARD RS4000 TX/TX VPN - 2200515

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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

## Product Features

- Maximum security
- Maximum performance
- Central management tool

## Key commercial data

<b>package_quantity</b>	1
<b>GTIN</b>	4046356597289

## 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
<b>Interface 3</b>	VPN - release button
<b>Connection method</b>	24 V DC/250 mA can be connected as an option

### Function

<b>Basic functions</b>	Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
<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)

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### Conformity with EMC directives

<b>Test standard</b>	IEC 61000-4-4 (burst)
<b>Test result</b>	2 kV power line, 1kV data line
<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 externals server
<b>Virtual private network (VPN) throughput</b>	max. 41.94304 Mbps (Router)
<b>Virtual private network (VPN) throughput</b>	max. 27.262976 Mbps (Stealth mode, VPN bidirectional throughput)
<b>Number of VPN tunnels</b>	10 (As an option, up to 250, with additional license FL MGUARD LIC VPN-250/ Order No. 2700193 or 2700192)
<b>Encryption methods</b>	DES, 3DES, AES-128, -192, -256
<b>Internet Protocol Security (IPsec) mode</b>	ESP tunnel / ESP transport
<b>Authentication</b>	X.509v3 certificates with RSA or PSK
<b>Data integrity</b>	MD5, SHA-1
<b>1:1 Network Address Translation (NAT) in the VPN</b>	Supported
<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
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## classifications

### ETIM

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

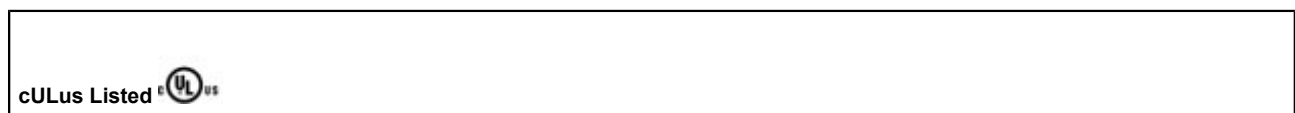
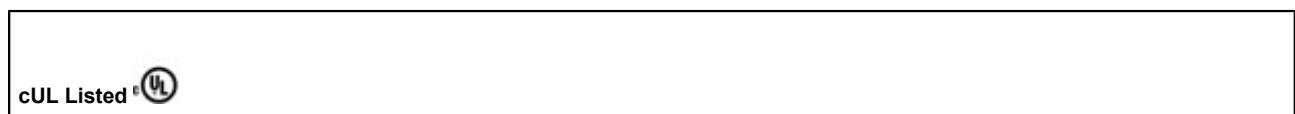
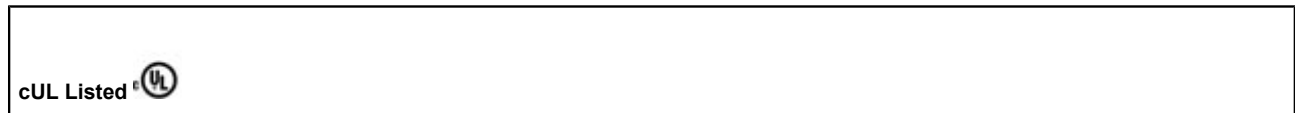
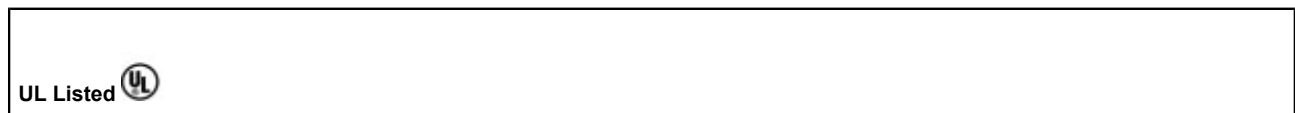
### UNSPSC

<b>UNSPSC 6.01</b>	20142601
<b>UNSPSC 7.0901</b>	20142601
<b>UNSPSC 11</b>	20142601
<b>UNSPSC 12.01</b>	20142601
<b>UNSPSC 13.2</b>	20142601

## approvals

UL Listed / cUL Listed / UL Listed / cUL Listed / cULus Listed /

### Approval details



## accessories

### Patch cable

## Router - FL MGUARD RS4000 TX/TX VPN - 2200515

### accessories

FL CAT5 PATCH 0,3 - 2832250



FL CAT5 PATCH 0,5 - 2832263



FL CAT5 PATCH 1,0 - 2832276



FL CAT5 PATCH 1,5 - 2832221



FL CAT5 PATCH 2,0 - 2832289



FL CAT5 PATCH 3,0 - 2832292



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### accessories

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FL CAT5 PATCH 5,0 - 2832580



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FL CAT5 PATCH 7,5 - 2832616



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FL CAT5 PATCH 10,0 - 2832629



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FL CAT6 PATCH 12,5 - 2891369



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FL CAT6 PATCH 15,0 - 2891372



## Router - FL MGUARD RS4000 TX/TX VPN - 2200515

### accessories

FL CAT6 PATCH 20,0 - 2891576



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### Protective cap

FL RJ45 PROTECT CAP - 2832991



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### Connector set

FL PLUG RJ45 GR/2 - 2744856



FL PLUG RJ45 GN/2 - 2744571



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### Universal tools

FL CRIMPTOOL - 2744869



## Router - FL MGUARD RS4000 TX/TX VPN - 2200515

accessories

### Parameterization memory

SD FLASH 256MB - 2988120



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SD FLASH 512MB - 2988146



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### License

FL MGUARD LIC LIFETIME FW - 2700184



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### Drawings

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