

# Router - FL MGUARD RS2000 TX/TX VPN - 2700642

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Security appliance in metal housing, with extended temperature range, SD card slot, up to 2 VPN tunnels, 2-click firewall for maximum ease of configuration, router with NAT/1:1 NAT

The figure shows the standard item

## Product Features

- Maximum security
- Maximum performance
- Central management tool

## Key commercial data

package_quantity	1
GTIN	4046356613859

## 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

### 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

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## Technical data

### Interfaces

<b>Transmission length</b>	100 m (per segment)
<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 simplified 2-click firewall and VPN for 2 tunnels (fixed), metal housing, slot for any SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
<b>Management</b>	Web-based Management, SNMP or via 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
<b>Signal contact control voltage</b>	24 V DC (typical)
<b>Signal contact control current</b>	250 mA (short-circuit resistant)

### 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>	2 (Fixed, Ipsec (IETF standard))
<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>	Simplified 2-click stateful inspection firewall
<b>Filtering</b>	Incoming or outgoing traffic
<b>Routing</b>	Standard routing, NAT, 1:1-NAT, port forwarding

### 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
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### Supply voltage

<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
<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)

## 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

ETIM 4.0	EC001478
ETIM 5.0	EC001478

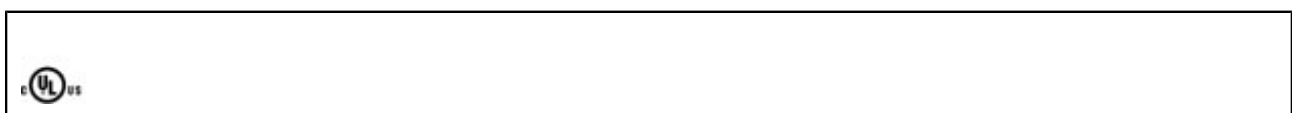
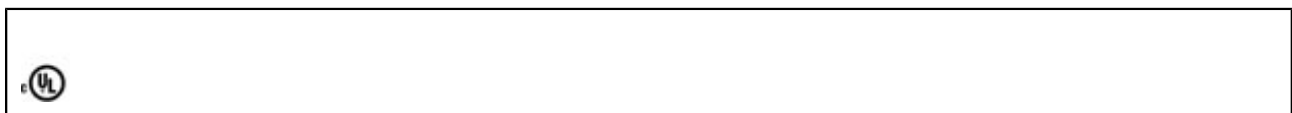
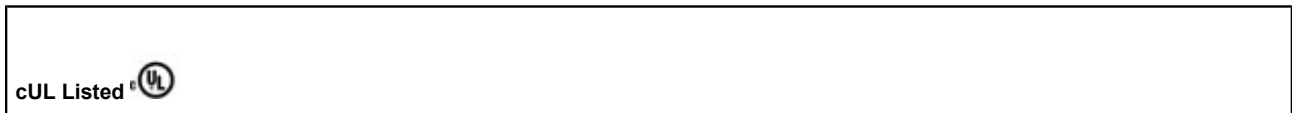
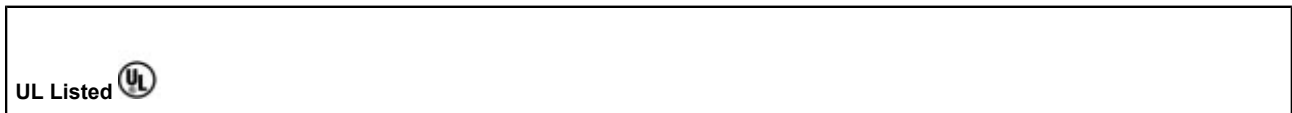
### UNSPSC

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

## approvals

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

### Approval details



## accessories

### Patch cable

## Router - FL MGUARD RS2000 TX/TX VPN - 2700642

### accessories

FL CAT5 PATCH 0,3 - 2832250



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FL CAT5 PATCH 0,5 - 2832263



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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



## Router - FL MGUARD RS2000 TX/TX VPN - 2700642

### 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 RS2000 TX/TX VPN - 2700642

### accessories

FL CAT6 PATCH 20,0 - 2891576



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### Protective cap

FL RJ45 PROTECT CAP - 2832991



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### Plug

FL PLUG RJ45 GR/2 - 2744856



FL PLUG RJ45 GN/2 - 2744571



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### Universal tools

FL CRIMPTOOL - 2744869



## Router - FL MGUARD RS2000 TX/TX VPN - 2700642

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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