

## Router - FL MGUARD RS2005 TX VPN - 2701875

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Security router in metal housing with integrated 5-port switch, VPN, with extended temperature range, SD card slot, simple firewall, router with NAT/1:1-NAT

### Your advantages

- Maximum security
- Maximum performance
- Central management tool

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 869324
GTIN	4046356869324
Weight per Piece (excluding packing)	900.000 g
Custom tariff number	85176200
Country of origin	Germany

### 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

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## Technical data

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

### Interfaces

Interface	Ethernet
No. of ports	6 (RJ45 ports)
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 Mbps
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity

### Function

Basic functions	Router with firewall and VPN for 2 tunnels, integrated 5-port switch, metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
Management	Web-based management (HTTPS) SNMPv1-v3 (Use of SNMPv3 recommended)
Diagnostic functions	SysLog/Remote SysLog SNMP-Traps QoS, ToS/DSCP LLDP (Link Layer Discovery Protocol)
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-proof)

### 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 mode, VPN bidirectional throughput) max. 27 Mbps (Stealth mode, VPN bidirectional throughput)
Number of VPN tunnels	2
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

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#### Security functions

Data integrity	MD5, SHA-1, SHA 256, SHA-512
1:1 Network Address Translation (NAT) in the VPN	Supported
Firewall data throughput	max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput)
	max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Simple stateful inspection firewall, no user firewall, no conditional firewall, no rule sets
Filtering	Incoming or outgoing traffic
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 (redundant)
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Supply voltage range	11 V DC ... 36 V DC
Typical current consumption	100 mA (at U <sub>S</sub> = 24 V DC)
Max. current consumption	180 mA (unloaded outputs)

#### General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	906.4 g
Housing material	Metal

#### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Type of test	Free fall in acc. with IEC 60068-2-32
Test result	1 m
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 10...150 Hz, 2.5 h, in XYZ direction
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Operation: 15g, 11 ms period, half-sine shock pulse
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Storage: 30g, 11 ms period, half-sine shock pulse
Conformance	CE-compliant

#### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 4.0	24010500
eCl@ss 4.1	24010500
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170103
eCl@ss 8.0	19170103
eCl@ss 9.0	19170103

### ETIM

ETIM 4.0	EC001478
ETIM 5.0	EC001478
ETIM 6.0	EC001478
ETIM 7.0	EC001478

### UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	43222609

## Approvals

### Approvals

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#### Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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## Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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EAC			RU *- DE.A*30.B.01735
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cULus Listed			
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## Accessories

### Accessories

#### Parameterization memory

Memory - SD FLASH 512MB - 2988146



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

### Remote control software

License - MGUARD SECURE VPN CLIENT LIC - 2702579



License for mGuard Secure VPN Client v11.x

