

Router - FL MGUARD RS4004 TX/DTX - 2701876

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Security appliance in metal housing with integrated 4-port Managed Switch and DMZ port, with expanded temperature range, SD card slot, intelligent firewall, router with NAT/1:1-NAT, optional VPN, CIFS integrity monitoring or OPC Inspector

The figure shows a version of the product

Your advantages

- Maximum security
- Maximum performance
- Central management tool

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 869331
GTIN	4046356869331
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

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Dimensions

Depth	114 mm
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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 intelligent firewall, integrated 4-port managed switch, opt. VPN (opt. for 10 tunnels, up to 250 tunnels with additional license), CIFS Integrity Monitoring (opt.), 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)
Redundancy	Firewall/Router
	VPN
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

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Security functions

Virtual private network (VPN) throughput	max. 42 Mbps (Router)
Encryption methods	DES, 3DES, AES-128, -192, -256
Data integrity	MD5, SHA-1, SHA 256, SHA-512
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	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 (redundant)
Residual ripple	3.6 V _{pp} (within the permitted voltage range)
Supply voltage range	11 V DC ... 36 V DC
Typical current consumption	100 mA (at U _S = 24 V DC)
Max. current consumption	180 mA (unloaded outputs)

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	901.4 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

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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	24010504
eCl@ss 4.1	24010504
eCl@ss 5.0	19030101
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

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UL Listed / cUL Listed / EAC / cULus Listed

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Approvals

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Listed		http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm	FILE E 238705
EAC			RU *- DE.A*30.B.01735
cULus Listed			

Accessories

Accessories

License

License - FL MGUARD LIC FW/VPN RD - 2702193



License for activating the firewall/router and VPN redundancy function on an FL MGUARD device pair

License - FL MGUARD LIC FW RD - 2701356



License for activating the firewall/router redundancy function on an FL MGUARD device pair

Router - FL MGuard RS4004 TX/DTX - 2701876

Accessories

License - FL MGuard LIC LIFETIME FW - 2700184



License for lifetime software update of FL MGuard field devices.

License - FL MGuard LIC CIM - 2701083



License for activating CIFS Integrity Monitoring (CIM) on an FL MGuard

License - FL MGuard LIC VPN-10 - 2700194



License for up to 10 additional VPN online connections

License - FL MGuard LIC VPN-250 - 2700193



License for up to 250 additional VPN online connections

License - FL MGuard LIC OPC INSP - 2702191



License for activating the OPC inspector function on an FL MGuard

Router - FL MGUARD RS4004 TX/DTX - 2701876

Accessories

License - FL MGUARD LIC VPN-100 - 2702546



License for up to 100 additional VPN online connections

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
