

Router - FL MGuard RS4000 TX/TX VPN-M - 2702465

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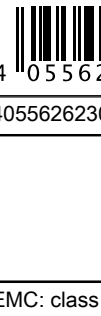
Security appliance with maritime approvals, metal housing, with extended temperature range, SD card slot, VPN for 10 VPN tunnels (up to 250 tunnels with additional license as an option), intelligent firewall with full scope of functions for maximum security and ease of configuration, router with NAT/1:1 NAT, optional CIFS integrity monitoring

Why buy this product

- Maximum security
- Maximum performance
- Central management tool



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 230788
GTIN	4055626230788

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

Interfaces

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Technical data

Interfaces

Interface 1	Ethernet
No. of ports	2 (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
Interface 3	VPN - release button
Connection method	24 V DC/250 mA can be connected as an option

Function

Basic functions	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
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 resistant)

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	10 (up to 250 tunnels with additional license as an option)
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
Data integrity	MD5, SHA-1, SHA 256, SHA-512
1:1 Network Address Translation (NAT) in the VPN	Supported
Firewall data throughput	max. 124 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

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Technical data

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	0.24 A

General

Mounting type	DIN rail
Type AX	Stand-alone
Net weight	725 g
Housing material	Metal

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Type of test	Shock in acc. with EN 60068-2-27/IEC 60068-2-27
Test result	Half-sine 30g, 18 ms, 3 axes
Type of test	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6
Test result	5g, 150 Hz
Conformance	CE-compliant

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Approvals

Approvals

Approvals

BV / ABS / BSH / UL Listed / cUL Listed / DNV GL / LR / EAC / cULus Listed

Ex Approvals

Approval details

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	42674/A1 BV
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ABS	http://www.eagle.org/eagleExternalPortalWEB/	17-HG1621873-PDA 08/19/2018 Page 3 / 4
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Approvals

BSH		http://www.bsh.de/de/index.jsp	927
UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
DNV GL		http://exchange.dnv.com/tari/	TAA000009T
LR		http://www.lr.org/en	08/20033
EAC			RU *- DE.A*30.B.01735
cULus Listed			

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