

2702465
<https://www.phoenixcontact.com/us/products/2702465>

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Security appliance for maritime applications, 10/100 Mbps, NAT, firewall, VPN, functionally extendable with licenses

Your advantages

- Central management tool
- Maximum performance
- Maximum security

Commercial data

Item number	2702465
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN29
Product key	DNN331
Catalog page	Page 338 (C-6-2019)
GTIN	4055626230788
Weight per piece (including packing)	883.2 g
Weight per piece (excluding packing)	725 g
Customs tariff number	85176200
Country of origin	DE

FL MGUARD RS4000 TX/TX VPN-M - Router



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Technical data

Dimensions

Width	45 mm
Height	130 mm
Depth	120.6 mm

Notes

Note on application

Note on application	Only for industrial use
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Material specifications

Color	silver
Housing material	Metal

Interfaces

Ethernet

Connection method	RJ45
Transmission speed	10/100 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
No. of channels	2 (RJ45 ports)

Signal contact

Connection method	Plug-in/screw connection via COMBICON
Additional text	not electrically isolated

VPN - release button

Connection method	24 V DC/250 mA can be connected as an option
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System properties

Functionality

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
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System requirements

Supported browsers	HTTPS support required
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Product properties

Product type	Security router for the DIN rail
Type	Stand-Alone

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Data management status

Article revision	08
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Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Security functions

1:1 Network Address Translation (NAT) in the VPN	supported
Number of VPN tunnels	10 (up to 250 tunnels with additional license as an option)
Authentication	X.509v3 certificates with RSA or PSK
Data integrity	MD5, SHA-1, SHA 256, SHA-512
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Filtering	MAC and IP addresses, ports, protocols
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
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
Internet Protocol Security (IPsec) mode	ESP tunnel / ESP transport
Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Network Time Protocol (NTP) client	Client
Remote Syslog Logging	on external server
Routing	Standard routing, NAT, 1:1-NAT, port forwarding
Protection against	IP spoofing, DoS and Syn Flood Protection
Encryption methods	DES, 3DES, AES-128, -192, -256
Virtual private network (VPN) throughput	max. 40 Mbps (Router mode, VPN bidirectional throughput)
	max. 27 Mbps (Stealth mode, VPN bidirectional throughput)

Electrical properties

Maximum power dissipation for nominal condition	2.4 W
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Supply

Supply voltage (DC)	24 V DC (redundant)
Supply voltage range	11 V DC ... 36 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	0.24 A
Typical current consumption	100 mA (at U _S = 24 V DC)

Function

Signal contact control voltage	24 V DC (typical)
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Signal contact control current	250 mA (short-circuit-proof)
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Environmental and real-life conditions

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)

Approvals

Conformity/Approvals

Conformance	CE-compliant
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Mounting

Mounting type	DIN rail mounting
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EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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Signaling

Status display	LEDs:P1, P2, Fault, State, Error, LAN, WAN
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2702465>

**EAC**
Approval ID: RU*DE*08.B.00731/19

**LR**
Approval ID: LR23398855TA

**BV**
Approval ID: 42674/B0 BV

**UL Listed**
Approval ID: E238705

**cUL Listed**
Approval ID: E238705

BSH
Approval ID: 927

DNV
Approval ID: TAA000009T

**cUL Listed**
Approval ID: E196811

**UL Listed**
Approval ID: E196811

cULus Listed

cULus Listed

FL MGuard RS4000 TX/TX VPN-M - Router



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Classifications

ECLASS

ECLASS-11.0	19170406
ECLASS-12.0	19170406
ECLASS-13.0	19170406

ETIM

ETIM 9.0	EC001478
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I, 6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	5643fee4-ca7f-47ef-b3bb-5a7c2d6fdab6

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Accessories

FL MGUARD LIC FW RD - License

2701356

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

FL MGUARD LIC MODBUS INSPECTOR - License

2702980

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License for activating the Modbus inspector function on an FL/TC MGUARD

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FL MGUARD LIC FW MNT 2030 - License

1493074

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License for firmware maintenance until 2030

FL MGUARD LIC CIM - License

2701083

<https://www.phoenixcontact.com/us/products/2701083>



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

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FL MGUARD LIC VPN-100 - License

2702546

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License for up to 100 additional VPN online connections

FL MGUARD LIC OPC INSP - License

2702191

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License for activating the OPC inspector function on an FL MGUARD

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FL MGUARD LIC FW/VPN RD - License

2702193

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

MGUARD SECURE VPN CLIENT LIC - License

2702579

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License for mGuard Secure VPN Client v11.x

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FL MGUARD DM UNLIMITED - Software

2981974

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Central device management software for MGUARD devices for any number of devices in the field. For installation on a PC. No additional licenses required. Download trial version for up to 10 devices.

SD FLASH 2GB - Program/configuration memory

2988162

<https://www.phoenixcontact.com/us/products/2988162>



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

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