

Router - FL MGUARD RS4000 TX/TX VPN



2200515

<https://www.phoenixcontact.com/us/products/2200515>

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Security appliance, 10/100 Mbps, NAT, advanced firewall, VPN, functionally extendable with licenses

Your advantages

- Central management tool
- Maximum security
- Maximum performance

Commercial Data

Item number	2200515
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C24
Product Key	DNN331
Catalog Page	Page 335 (C-6-2019)
GTIN	4046356597289
Weight per Piece (including packing)	897.5 g
Weight per Piece (excluding packing)	725 g
Customs tariff number	85176200
Country of origin	DE

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Technical Data

Dimensions

Width	45 mm
Height	130 mm
Depth	114 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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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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Product properties

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

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

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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/server
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

Local diagnostics	P1, P2 Supply voltage US1, US2 Green LED
	One LED per port Link active Green LED
Maximum power dissipation for nominal condition	5.76 W

Supply

Supply voltage	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)
Signal contact control current	250 mA (short-circuit-proof)

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)

Approval data

Conformity/Approvals

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Conformance	CE-compliant
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Mounting

Mounting type	DIN rail mounting
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EMC data

Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) 6 kV contact discharge, 8 kV air discharge
	IEC 61000-6-2 IEC 61000-4-3 (immunity to radiated interference) 10 V/m (80 MHz ... 2000 MHz)
	IEC 61000-6-2 IEC 61000-4-4 (burst) 2 kV power line, 1kV data line
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) 3 V (10 kHz ... 150 kHz), 10 V (150 kHz ... 80 MHz)
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55022 / Class B
Noise immunity	EN 61000-6-2:2005

LED signaling

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



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



UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 238705



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



cUL Listed
Approval ID: FILE E 238705



UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 366272



UL Listed
Approval ID: FILE E 366272



UL Listed
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cUL Listed
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Classifications

ECLASS

ECLASS-9.0	19170103
ECLASS-10.0.1	19170406
ECLASS-11.0	19170406

ETIM

ETIM 8.0	EC001478
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UNSPSC

UNSPSC 21.0	43222600
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

License

License - FL MGUARD LIC FW RD - 2701356

<https://www.phoenixcontact.com/us/products/2701356>



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

License

License - FL MGUARD LIC MODBUS INSPECTOR - 2702980

<https://www.phoenixcontact.com/us/products/2702980>



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

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License

License - FL MGUARD LIC LIFETIME FW - 2700184

<https://www.phoenixcontact.com/us/products/2700184>



License for lifetime software update of FL MGUARD field devices.

License

License - FL MGUARD LIC CIM - 2701083

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



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

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License

License - FL MGUARD LIC VPN-100 - 2702546

<https://www.phoenixcontact.com/us/products/2702546>



License for up to 100 additional VPN online connections

License

License - FL MGUARD LIC OPC INSP - 2702191

<https://www.phoenixcontact.com/us/products/2702191>



License for activating the OPC inspector function on an FL MGUARD

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License

License - FL MGUARD LIC FW/VPN RD - 2702193

<https://www.phoenixcontact.com/us/products/2702193>



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

License

License - MGUARD SECURE VPN CLIENT LIC - 2702579

<https://www.phoenixcontact.com/us/products/2702579>



License for mGuard Secure VPN Client v11.x

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Software

Software - FL MGUARD DM UNLIMITED - 2981974

<https://www.phoenixcontact.com/us/products/2981974>



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.

Program / configuration memory

Program / configuration memory - SD FLASH 2GB - 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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