# FL MGUARD RS4000 TX/TX VPN - Router

2200515

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

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The figure shows a version of the product

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 |
| Sales key | DN29 |
| Product key | DNN331 |
| 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 |

# Technical data

## Dimensions

| | |
|---|---|
| Width | 45 mm |
| Height | 130 mm |
| Depth | 120.6 mm |

## Notes

Note on application

| | |
|---|---|
| Note on application | Only for industrial use |

## 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 |

## System properties

System requirements

| | |
|---|---|
| Supported browsers | HTTPS support required |

## Output data

Signal contact

| | |
|---|---|
| Control voltage | 24 V DC (typical) |
| Control current | 250 mA (short-circuit-proof) |

## Product properties

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

Insulation characteristics

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

Security 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 |
| 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 |
| 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 |
| Internet Protocol Security (IPsec) mode | ESP tunnel / ESP transport |
| Dynamic Host Configuration Protocol (DHCP) support | Server or Relay Agent |
| Link Layer Discovery Protocol (LLDP) | As per protocol 802.2 |
| Network Time Protocol (NTP) client | Client/server |
| Remote Syslog Logging | on externals 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 (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 mm² |
| 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) |
| Ground connection | Via DIN rail and/or COMBICON (optional) |

## Environmental and real-life conditions

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) |

## Approvals

Conformity/Approvals

| | |
|---|---|
| Conformance | CE-compliant |

## Mounting

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|---|---|
| Mounting type | DIN rail mounting |

## EMC data

| | |
|---|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
| 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) |
| Noise immunity | EN 61000-6-2:2005 |

Noise emission

| | |
|---|---|
| Standards/regulations | EN 55022 / Class B |

## Signaling

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

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 19170406 |
| ECLASS-15.0 | 19170406 |

### ETIM

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|---|---|
| ETIM 9.0 | EC001478 |

### UNSPSC

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|---|---|
| UNSPSC 21.0 | 43222600 |

## Environmental product compliance

EU RoHS

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|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 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 | e441b8fd-2381-4120-8c35-421fb7d4b11d |

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