

FL MGUARD RS4000 TX/TX - Router



2700634

<https://www.phoenixcontact.com/us/products/2700634>

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

The figure shows a version of the product

Your advantages

- Central management tool
- Maximum security
- Maximum performance

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2700634 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN29 |
| Product key | DNN311 |
| GTIN | 4046356597272 |
| 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

Functionality

| | |
|-----------------|---|
| Basic functions | Router with intelligent firewall (VPN, 10 tunnels as an option, up to 250 with additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN (as an option): up to 124 Mbps/40 Mbps (as an option) |
|-----------------|---|

System requirements

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

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

| | |
|--|---|
| Number of VPN tunnels | 0 (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 (VPN, 10 tunnels as an option, up to 250 with additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN (as an option): up to 124 Mbps/40 Mbps (as an option) |
| 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

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|---|--|
| 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 mm ² |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Max. current consumption | 0.24 A (unloaded outputs) |
| 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) |

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) |

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 |
|----------------|--|

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Approvals

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UL Listed

Approval ID: E238705



cUL Listed

Approval ID: E238705



cUL Listed

Approval ID: E366272



UL Listed

Approval ID: E366272

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Classifications

ECLASS

ECLASS-13.0

19170406

ETIM

ETIM 9.0

EC001478

UNSPSC

UNSPSC 21.0

43222600

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| 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 | 2060798c-c464-4ae8-9fa4-1090027c60ea |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 22.05 kg CO2e |
|---------|---------------|

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