

FL MGUARD RS4000 TX/TX - Router



2700634

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

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



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 | DNN |
| Product Key | DNN311 |
| Catalog Page | Page 335 (C-6-2019) |
| 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 |

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

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

Insulation characteristics

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

Security functions

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

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

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

| | |
|---------------------------------|--|
| 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 |
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
| Noise emission | EN 55022 / Class B |

Signaling

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



cUL Listed

Approval ID: FILE E 366272



UL Listed

Approval ID: FILE E 366272

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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001478 |
|----------|----------|

UNSPSC

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

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Environmental Product Compliance

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

FL MGUARD LIC FW RD - License

2701356

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



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

FL MGUARD LIC MODBUS INSPECTOR - License

2702980

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



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

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FL MGUARD LIC CIM - License

2701083

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



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

FL MGUARD LIC VPN-100 - License

2702546

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



License for up to 100 additional VPN online connections

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FL MGUARD LIC OPC INSP - License

2702191

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



License for activating the OPC inspector function on an FL MGUARD

FL MGUARD LIC FW/VPN RD - License

2702193

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



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

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MGUARD SECURE VPN CLIENT LIC - License

2702579

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License for mGuard Secure VPN Client v11.x

FL MGUARD DM UNLIMITED - Software

2981974

<https://www.phoenixcontact.com/in/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.

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SD FLASH 2GB - Program / configuration memory

2988162

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



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

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