

# FL MGUARD RS4004 TX/DTX - Router



2701876

<https://www.phoenixcontact.com/us/products/2701876>

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Security appliance, 10/100 Mbps, NAT, firewall, managed 4-port switch and DMZ, functionally extendable with licenses

## Your advantages

- Central management tool
- Maximum security
- Maximum performance

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2701876             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Sales key                            | DN29                |
| Product key                          | DNN311              |
| Catalog page                         | Page 337 (C-6-2019) |
| GTIN                                 | 4046356869331       |
| Weight per piece (including packing) | 907.3 g             |
| Weight per piece (excluding packing) | 902 g               |
| Customs tariff number                | 85176200            |
| Country of origin                    | DE                  |

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

### 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      | 6 (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, integrated 4-port managed switch, opt. VPN (opt. for 10 tunnels, up to 250 tunnels with additional license), CIFS Integrity Monitoring (opt.), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps / 40 Mbps |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### System requirements

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

## Product properties

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

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## Data management status

|                  |    |
|------------------|----|
| Article revision | 10 |
|------------------|----|

## Insulation characteristics

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

## Security functions

|                                                    |                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. 130 Mbps (Router mode, default firewall rules, bidirectional throughput)<br>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, integrated 4-port managed switch, opt. VPN (opt. for 10 tunnels, up to 250 tunnels with additional license), CIFS Integrity Monitoring (opt.), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps / 40 Mbps |
| 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. 42 Mbps (Router)                                                                                                                                                                                                                                                                                        |

## 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 | 2.4 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 <sup>2</sup> |
| Residual ripple             | 3.6 V <sub>pp</sub> (within the permitted voltage range)       |
| Max. current consumption    | 180 mA (unloaded outputs)                                      |
| Typical current consumption | 100 mA (at U <sub>S</sub> = 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

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## Ambient conditions

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Degree of protection                    | IP20                          |
| Ambient temperature (operation)         | -20 °C ... 60 °C              |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C              |
| Permissible humidity (operation)        | 5 % ... 95 % (non-condensing) |

## Approvals

### Conformity/Approvals

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

## Mounting

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

## EMC data

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|-------------------------------------------|

## 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/2701876>



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



**UL Listed**  
Approval ID: E238705



**cUL Listed**  
Approval ID: E238705

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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                                    | 57ae4f85-9b2e-402d-b3c6-f57663467f11                                                                                                                                                                                              |

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## Accessories

### FL MGUARD LIC FW RD - License

2701356

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



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

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### FL MGUARD LIC MODBUS INSPECTOR - License

2702980

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



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

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## FL MGUARD LIC FW MNT 2030 - License

1493074

<https://www.phoenixcontact.com/us/products/1493074>



License for firmware maintenance until 2030

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## 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

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



License for activating the OPC inspector function on an FL MGUARD

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## FL MGUARD LIC FW/VPN RD - License

2702193

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

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



License for mGuard Secure VPN Client v11.x

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## FL MGUARD DM UNLIMITED - Software

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.

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## 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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