

FL MGUARD RS2005 TX VPN - Router



2701875

<https://www.phoenixcontact.com/us/products/2701875>

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Remote maintenance router, 10/100 Mbps, NAT, VPN, firewall, Unmanaged 5-port Switch



Your advantages

- Central management tool
- Maximum performance
- Maximum security

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2701875 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN28 |
| Product key | DNN331 |
| Catalog page | Page 336 (C-6-2019) |
| GTIN | 4046356869324 |
| Weight per piece (including packing) | 902.5 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 |

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 firewall and VPN for 2 tunnels, integrated 5-port switch, 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 |

Insulation characteristics

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

Security functions

| | |
|--|-----------|
| 1:1 Network Address Translation (NAT) in the VPN | supported |
|--|-----------|

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| | |
|--|---|
| Number of VPN tunnels | 2 |
| 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 | Incoming or outgoing traffic |
| Firewall data throughput | max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput) |
| | max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput) |
| Firewall rules | simple stateful inspection firewall, no user firewall, no conditional firewall, no rule sets |
| Basic functions | Router with firewall and VPN for 2 tunnels, integrated 5-port switch, 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 |
| Remote Syslog Logging | on external server |
| Routing | Standard routing, NAT, 1:1-NAT, port forwarding |
| 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 | 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 ² |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Max. current consumption | 180 mA (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) | -40 °C ... 70 °C |

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| | |
|----------------------------------|-------------------------------|
| 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/2701875>



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



UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 238705

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 | c6902bfc-9edf-432e-b33c-8a7728ef19db |
| EF3.0 Climate Change | |
| CO2e kg | 27.61 kg CO2e |

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Accessories

FL CAT5 PATCH 0,3 - Patch cable

2832250

<https://www.phoenixcontact.com/us/products/2832250>



Patch cable, CAT5, assembled, 0.3 m

FL CAT5 PATCH 0,5 - Patch cable

2832263

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Patch cable, CAT5, assembled, 0.5 m

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FL CAT5 PATCH 1,0 - Patch cable

2832276

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Patch cable, CAT5, assembled, 1 m

FL CAT5 PATCH 1,5 - Patch cable

2832221

<https://www.phoenixcontact.com/us/products/2832221>



Patch cable, CAT5, assembled, 1.5 m

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FL CAT5 PATCH 2,0 - Patch cable

2832289

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Patch cable, CAT5, assembled, 2 m



FL CAT5 PATCH 3,0 - Patch cable

2832292

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Patch cable, CAT5, assembled, 3 m



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FL CAT5 PATCH 5,0 - Patch cable

2832580

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Patch cable, CAT5, assembled, 5 m



FL CAT5 PATCH 7,5 - Patch cable

2832616

<https://www.phoenixcontact.com/us/products/2832616>

Patch cable, CAT5, assembled, 7.5 m



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FL CAT5 PATCH 10,0 - Patch cable

2832629

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Patch cable, CAT5, assembled, 10 m

FL CAT6 PATCH 12,5 - Patch cable

2891369

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Patch cable, CAT6, preassembled, 12.5 m

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FL CAT6 PATCH 15,0 - Patch cable

2891372

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Patch cable, degree of protection: IP20, cable length: 15 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

FL CAT6 PATCH 20,0 - Patch cable

2891576

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Patch cable, degree of protection: IP20, cable length: 20 m, number of positions: 8, 1 Gbps, CAT6, Ethernet

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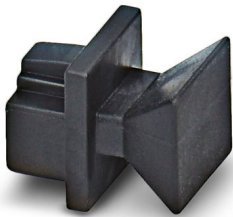
<https://www.phoenixcontact.com/us/products/2701875>



FL RJ45 PROTECT CAP - Dust protection

2832991

<https://www.phoenixcontact.com/us/products/2832991>



Dust protection caps for RJ45 socket

FL PLUG RJ45 GR/2 - RJ45 connector

2744856

<https://www.phoenixcontact.com/us/products/2744856>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: gray, Ethernet

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FL PLUG RJ45 GN/2 - RJ45 connector

2744571

<https://www.phoenixcontact.com/us/products/2744571>



RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

FL CRIMPTOOL - Assembly tool

2744869

<https://www.phoenixcontact.com/us/products/2744869>



Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45..., for assembly on site

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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

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.

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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