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# Router - FL MGUARD RS4004 TX/DTX VPN - 2701877

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Security appliance in metal housing with integrated 4-port Managed Switch and DMZ port, VPN with expanded temperature range, SD card slot, intelligent firewall, router with NAT/1:1-NAT, optional CIFS integrity monitoring or OPC Inspector

## Product Features

☑ Maximum security

☑ Maximum performance

☑ Central management tool

## Key Commercial Data

| | |
|---|---|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 900.0 g |
| Custom tariff number | 85176200 |
| Country of origin | Germany |

## Technical data

### Note

| | |
|---|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |

### Dimensions

| | |
|---|---|
| Width | 45 mm |
| Height | 130 mm |
| Depth | 114 mm |

### 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) |

### Interfaces

| | |
|---|---|
| Interface 1 | Ethernet |

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### Interfaces

| | |
|---|---|
| No. of ports | 6 (RJ45 ports) |
| Connection method | RJ45 |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 MBit/s |
| Transmission length | 100 m (per segment) |
| Signal LEDs | Supply voltage, data transmission, error, link, activity |
| Interface 2 | Signal contact |
| Connection method | Plug-in/screw connection via COMBICON |
| Interface 3 | VPN - release button |
| Connection method | 24 V DC/250 mA can be connected as an option |

### Function

| | |
|---|---|
| Basic functions | Router with intelligent firewall, integrated 4-port managed switch and VPN for 10 tunnels (opt. up to 250 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 |
| Supported browsers | HTTPS support required |
| Processor | 330 MHz |
| Status and diagnostic indicators | LEDs:P1, P2, Fault, State, Error, LAN, WAN |
| Signal contact control voltage | 24 V DC (typical) |
| Signal contact control current | 250 mA (short-circuit resistant) |

### Security functions

| | |
|---|---|
| Dynamic Host Configuration Protocol (DHCP) support | Server or Relay Agent |
| Network Time Protocol (NTP) client | Client |
| Link Layer Discovery Protocol (LLDP) | As per protocol 802.2 |
| Remote Syslog Logging | On externals server |
| Virtual private network (VPN) throughput | max. 42 Mbps (Router) |
| | max. 27 Mbps (Stealth mode, VPN bidirectional throughput) |
| Number of VPN tunnels | 10 (up to 250 tunnels with additional license as an option) |
| Encryption methods | DES, 3DES, AES-128, -192, -256 |
| Internet Protocol Security (IPsec) mode | ESP tunnel / ESP transport |
| Authentication | X.509v3 certificates with RSA or PSK |
| Data integrity | MD5, SHA-1 |
| 1:1 Network Address Translation (NAT) in the VPN | Supported |
| Firewall data throughput | max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput) |
| | max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput) |

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### Security functions

| | |
|---|---|
| Firewall rules | Configurable stateful inspection firewall with full scope of functions |
| Filtering | MAC and IP addresses, ports, protocols |
| Protection against | IP spoofing, DoS and Syn Flood Protection |
| Routing | Standard routing, NAT, 1:1-NAT, port forwarding |

### Network expansion parameters

| | |
|---|---|
| Maximum conductor length (twisted pair) | 100 m |

### Supply voltage

| | |
|---|---|
| Supply voltage | 24 V DC (redundant) |
| Residual ripple | 3.6 $V_{PP}$ (within the permitted voltage range) |
| Supply voltage range | 9 V DC ... 36 V DC |
| Typical current consumption | 100 mA (at $U_S$ = 24 V DC) |
| Max. current consumption | 180 mA (unloaded outputs) |

### General

| | |
|---|---|
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Net weight | 905.3 g |
| Housing material | Metal |

### Mechanical tests

| | |
|---|---|
| Type of test | Free fall in acc. with IEC 60068-2-32 |
| Test result | 1 m |
| Type of test | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 |
| Test result | 5g, 150 Hz, 2.5 h, in XYZ direction |
| Type of test | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 |
| Test result | Operation: 15g, 11 ms period, half-sine shock pulse |
| Type of test | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 |
| Test result | Storage: 30g, 11 ms period, half-sine shock pulse |

## Classifications

### eCl@ss

| | |
|---|---|
| eCl@ss 4.0 | 24010504 |
| eCl@ss 4.1 | 24010504 |
| eCl@ss 5.0 | 19030101 |
| eCl@ss 5.1 | 19030101 |
| eCl@ss 6.0 | 19170103 |

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## Classifications

### eCl@ss

| eCl@ss 7.0 | 19170103 |
|---|---|
| eCl@ss 8.0 | 19170103 |

### ETIM

| ETIM 4.0 | EC001478 |
|---|---|
| ETIM 5.0 | EC001478 |

### UNSPSC

| UNSPSC 6.01 | 20142601 |
|---|---|
| UNSPSC 7.0901 | 20142601 |
| UNSPSC 11 | 20142601 |
| UNSPSC 12.01 | 20142601 |
| UNSPSC 13.2 | 20142601 |

## Approvals

### Approvals

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Approvals

UL Listed / cUL Listed / cULus Listed

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Ex Approvals

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Approvals submitted

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### Approval details

| UL Listed |
|---|

| cUL Listed |
|---|

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## Approvals

cULus Listed