

<https://www.phoenixcontact.com/gb/products/2200515>

Router - FL MGuard RS4000 TX/TX VPN - 2200515

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Security appliance in metal housing, with extended temperature range, SD card slot, VPN for 10 VPN tunnels (optionally up to 250 with additional license), intelligent firewall with full scope of functions for maximum security and easy configuration, router with NAT/1:1 NAT, optional CIFS integrity monitoring


The figure shows a version of the product

Your advantages

- Maximum security
- Maximum performance
- Central management tool



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 597289 |
| GTIN | 4046356597289 |
| Weight per Piece (excluding packing) | 725.000 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 |
|----------------------|------|

Router - FL MGuard RS4000 TX/TX VPN - 2200515

Technical data

Ambient conditions

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

Interfaces

| | |
|----------------------|--|
| Interface | Ethernet |
| No. of ports | 2 (RJ45 ports) |
| Transmission physics | Ethernet in RJ45 twisted pair |
| Transmission speed | 10/100 Mbps |
| Transmission length | 100 m (per segment) |
| Signal LEDs | Supply voltage, data transmission, error, link, activity |
| Interface | Signal contact |
| Connection method | Plug-in/screw connection via COMBICON |

Function

| | |
|----------------------------------|---|
| Basic functions | Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), 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-proof) |

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 external server |
| Virtual private network (VPN) throughput | max. 40 Mbps (Router mode, VPN bidirectional throughput) |
| | 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, SHA 256, SHA-512 |
| 1:1 Network Address Translation (NAT) in the VPN | Supported |
| 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 |

Router - FL MGuard RS4000 TX/TX VPN - 2200515

Technical data

Security 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 | 11 V DC ... 36 V DC |
| Typical current consumption | 100 mA (at U _S = 24 V DC) |
| Max. current consumption | 0.24 A |

General

| | |
|------------------|-------------|
| Mounting type | DIN rail |
| Type AX | Stand-alone |
| Net weight | 725 g |
| Housing material | Metal |

Conformity with EMC directives

| | |
|---------------------------------|--|
| Developed in acc. with standard | IEC 61000-6-2 |
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | 6 kV contact discharge, 8 kV air discharge |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | 10 V/m (80 MHz ... 2000 MHz) |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | 2 kV power line, 1kV data line |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |
| Test result | 3 V (10 kHz ... 150 kHz), 10 V (150 kHz ... 80 MHz) |

Standards and Regulations

| | |
|-------------------------------|--|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
| Type of test | Shock in acc. with EN 60068-2-27/IEC 60068-2-27 |
| Test result | Half-sine 30g, 18 ms, 3 axes |
| Type of test | Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 |
| Test result | 5g, 150 Hz |
| Noise emission | EN 55022 / Class B |
| Noise immunity | EN 61000-6-2:2005 |
| Conformance | CE-compliant |

Environmental Product Compliance

<https://www.phoenixcontact.com/gb/products/2200515>

Router - FL MGUARD RS4000 TX/TX VPN - 2200515

Technical data

Environmental Product Compliance

| | |
|------------|---|
| | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27240400 |
| eCl@ss 4.1 | 27240400 |
| eCl@ss 5.0 | 19030100 |
| eCl@ss 5.1 | 19030100 |
| eCl@ss 6.0 | 19170100 |
| eCl@ss 7.0 | 19170103 |
| eCl@ss 8.0 | 19170103 |
| eCl@ss 9.0 | 19170103 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001423 |
| ETIM 4.0 | EC001478 |
| ETIM 5.0 | EC001478 |
| ETIM 6.0 | EC001478 |
| ETIM 7.0 | EC001478 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 20142601 |
| UNSPSC 7.0901 | 20142601 |
| UNSPSC 11 | 20142601 |
| UNSPSC 12.01 | 20142601 |
| UNSPSC 13.2 | 43222609 |

Approvals

Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals





UL Listed / cUL Listed / cULus Listed

<https://www.phoenixcontact.com/gb/products/2200515>

Router - FL MGuard RS4000 TX/TX VPN - 2200515

Approvals

Approval details

| | | | |
|--------------|--|---|---------------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| EAC |  | | RU*DE*08.B.00731/19 |
| cULus Listed |  | | |

Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk