


FL MGUARD RS VPN ANALOG

Order No.: 2989718

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2989718>

Router with intelligent Firewall, data throughput up to 99 Mbps (Wire Speed), Stateful Inspection Firewall for optimum safety and extremely simple configuration, VPN as per IPsec, hardware encryption with up to 70 Mbps, integrated Analog modem

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 046356 298964 |
| sales group | K006 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 175 (AX-2009) |

Product notesWEEE/RoHS-compliant since:
11/27/2007

<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

| Technical data | |
|--------------------|----------|
| Interfaces | |
| Interface | Ethernet |
| No. of ports | 2 |
| Type of connection | 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 | Potential-free signaling contact |
| Type of connection | Plug-in/screw connection via COMBICON |
| Interface | VPN - release button |
| Type of connection | Connectable and optional LED |

Function

| | |
|----------------------------------|---|
| Basic functions | Router with intelligent Firewall, VPN and integrated analog modem |
| Management | Web based management, SNMP or over V.24 (RS-232) |
| Supported browsers | HTTPS support required |
| Processor | 533 MHz |
| Status and diagnostic indicators | LEDs:P1, P2, Fault, State, Error, LAN, WAN |

Network expansion parameters

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

Supply voltage

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|-----------------------------|--|
| Supply voltage | 24 V DC |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 9 V DC ... 36 V DC |
| Typical current consumption | 170 mA |

General data

| | |
|----------------------------------|---------------------------------|
| Weight | 250 g |
| Width | 45 mm |
| Height | 99 mm |
| Depth | 112 mm |
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 55 °C |
| Permissible humidity (operation) | 10 % ... 95 % (no condensation) |
| Housing material | PA 6.6 |
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2:2005 |

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 (80-2000 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) |

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 | Up to 70 Mbps |
| Number of VPN tunnels | 10 (Up to 250 with license possible) |
| 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 | Up to 99 Mbps |
| Firewall rules | Configurable stateful inspection firewall |
| 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 |

Certificates / Approvals



Certification

CUL Listed, UL Listed

Accessories

| Item | Designation | Description |
|------------------------|------------------------|---|
| Cable/conductor | | |
| 2832250 | FL CAT5 PATCH 0,3 | Patch cable, CAT5, assembled, 0.3 m |
| 2832263 | FL CAT5 PATCH 0,5 | Patch cable, CAT5, assembled, 0.5 m |
| 2832276 | FL CAT5 PATCH 1,0 | Patch cable, CAT5, assembled, 1.0 m |
| 2832221 | FL CAT5 PATCH 1,5 | Patch cable, CAT5, assembled, 1.5 m |
| 2832629 | FL CAT5 PATCH 10,0 | Patch cable, CAT5, assembled, 10.0 m |
| 2832289 | FL CAT5 PATCH 2,0 | Patch cable, CAT5, assembled, 2.0 m |
| 2832292 | FL CAT5 PATCH 3,0 | Patch cable, CAT5, assembled, 3.0 m |
| 2832580 | FL CAT5 PATCH 5,0 | Patch cable, CAT5, assembled, 5.0 m |
| 2832616 | FL CAT5 PATCH 7,5 | Patch cable, CAT5, assembled, 7.5 m |
| 2891369 | FL CAT6 PATCH 12,5 | Patch cable, CAT6, pre-assembled, 12.5 m |
| 2891372 | FL CAT6 PATCH 15,0 | Patch cable, CAT6, pre-assembled, 15.0 m |
| 2891576 | FL CAT6 PATCH 20,0 | Patch cable, CAT6, pre-assembled, 20.0 m |
| General | | |
| 2744788 | FL MC 10BASE-T/FO G850 | Fiber optic converter, for converting 10Base-T to multimode glass fiber, (850 nm), B-FOC (ST [®]) FO connection, supply 24 V DC |
| 2891165 | FL PF 2TX CAT5E | Patch field with two RJ45 CAT5e network connections |
| 2891178 | FL PF 8TX CAT5E | Patch field with eight RJ45 CAT5e network connections |
| 2832991 | FL RJ45 PROTECT CAP | Dust protection caps for RJ45 female connector |
| Plug/Adapter | | |
| 2744571 | FL PLUG RJ45 GN/2 | RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used. |
| 2744856 | FL PLUG RJ45 GR/2 | RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve. |
| Tools | | |
| 2744869 | FL CRIMPTOOL | Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site |

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