

Router - FL MGUARD RS2000 TX/TX VPN



2700642

<https://www.phoenixcontact.com/us/products/2700642>

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Remote maintenance router, 10/100 Mbps, NAT, VPN, firewall



Your advantages

- Central management tool
- Maximum performance
- Maximum security

Commercial Data

Item number	2700642
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C24
Product Key	DNN331
Catalog Page	Page 335 (C-6-2019)
GTIN	4046356613859
Weight per Piece (including packing)	888.6 g
Weight per Piece (excluding packing)	725 g
Customs tariff number	85176200
Country of origin	DE

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Technical Data

Dimensions

Width	45 mm
Height	130 mm
Depth	114 mm

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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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	2 (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
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Product properties

Type	Stand-alone
Product type	Security router for the DIN rail

Insulation characteristics

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

1:1 Network Address Translation (NAT) in the VPN	Supported
Number of VPN tunnels	2 (Fixed, Ipsec (IETF standard))
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

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Filtering	Incoming or outgoing traffic
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	simple stateful inspection firewall, no user firewall, no conditional firewall, no rule sets
Basic functions	Router with firewall and VPN for 2 tunnels (fixed), metal housing, slot for any 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	5.76 W

Supply

Supply voltage	24 V DC
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	0.24 A
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)

Ambient conditions

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

Standards and regulations

Free from substances that could impair the application of coating	Yes
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Approval data

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Conformity/Approvals

Conformance	CE-compliant
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Mounting

Mounting type	DIN rail mounting
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EMC data

Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) 6 kV contact discharge, 8 kV air discharge
	IEC 61000-6-2 IEC 61000-4-3 (immunity to radiated interference) 10 V/m (80 MHz ... 2000 MHz)
	IEC 61000-6-2 IEC 61000-4-4 (burst) 2 kV power line, 1kV data line
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) 3 V (10 kHz ... 150 kHz), 10 V (150 kHz ... 80 MHz)
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55022 / Class B
Noise immunity	EN 61000-6-2:2005

LED signaling

Status display	LEDs:P1, P2, Fault, State, Error, LAN, WAN
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Approvals



EAC

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



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



KC

Approval ID: MSIP-REI-PCK-2700642



EAC

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



cUL Listed

Approval ID: FILE E 238705



UL Listed

Approval ID: FILE E 238705



KC

Approval ID: MSIP-REI-PCK-2700642



cUL Listed

Approval ID: FILE E 366272



UL Listed

Approval ID: FILE E 366272



UL Listed

Approval ID: FILE E 366272



cUL Listed

Approval ID: FILE E 366272

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cULus Listed

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	19170103
ECLASS-10.0.1	19170406
ECLASS-11.0	19170406

ETIM

ETIM 8.0	EC001478
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UNSPSC

UNSPSC 21.0	43222600
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Patch cable

Patch cable - FL CAT5 PATCH 0,3 - 2832250

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

Patch cable, CAT5, assembled, 0.3 m



Patch cable

Patch cable - FL CAT5 PATCH 0,5 - 2832263

<https://www.phoenixcontact.com/us/products/2832263>

Patch cable, CAT5, assembled, 0.5 m



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Patch cable

Patch cable - FL CAT5 PATCH 1,0 - 2832276

<https://www.phoenixcontact.com/us/products/2832276>



Patch cable, CAT5, assembled, 1 m

Patch cable

Patch cable - FL CAT5 PATCH 1,5 - 2832221

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



Patch cable, CAT5, assembled, 1.5 m

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Patch cable

Patch cable - FL CAT5 PATCH 2,0 - 2832289

<https://www.phoenixcontact.com/us/products/2832289>



Patch cable, CAT5, assembled, 2 m

Patch cable

Patch cable - FL CAT5 PATCH 3,0 - 2832292

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Patch cable, CAT5, assembled, 3 m

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Patch cable

Patch cable - FL CAT5 PATCH 5,0 - 2832580

<https://www.phoenixcontact.com/us/products/2832580>

Patch cable, CAT5, assembled, 5 m



Patch cable

Patch cable - FL CAT5 PATCH 7,5 - 2832616

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Patch cable, CAT5, assembled, 7.5 m



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Patch cable

Patch cable - FL CAT5 PATCH 10,0 - 2832629

<https://www.phoenixcontact.com/us/products/2832629>

Patch cable, CAT5, assembled, 10 m

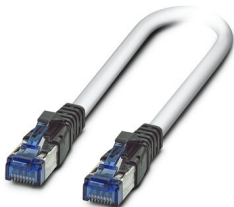


Patch cable

Patch cable - FL CAT6 PATCH 12,5 - 2891369

<https://www.phoenixcontact.com/us/products/2891369>

Patch cable, CAT6, pre-assembled, 12.5 m



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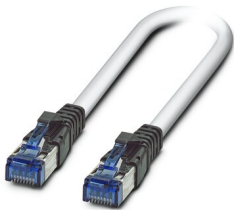
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Patch cable

Patch cable - FL CAT6 PATCH 15,0 - 2891372

<https://www.phoenixcontact.com/us/products/2891372>



Patch cable, CAT6, pre-assembled, 15.0 m

Patch cable

Patch cable - FL CAT6 PATCH 20,0 - 2891576

<https://www.phoenixcontact.com/us/products/2891576>



Patch cable, CAT6, pre-assembled, 20.0 m

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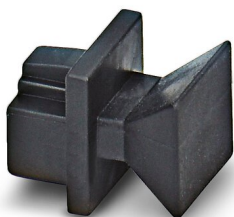
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Dust protection

Dust protection - FL RJ45 PROTECT CAP - 2832991

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

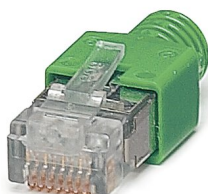


Dust protection caps for RJ45 socket

RJ45 connector

RJ45 connector - FL PLUG RJ45 GR/2 - 2744856

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



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.

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RJ45 connector

RJ45 connector - FL PLUG RJ45 GN/2 - 2744571

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



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.

Assembly tool

Assembly tool - FL CRIMPTOOL - 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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License

License - FL MGUARD LIC LIFETIME FW - 2700184

<https://www.phoenixcontact.com/us/products/2700184>



License for lifetime software update of FL MGUARD field devices.

License

License - MGUARD SECURE VPN CLIENT LIC - 2702579

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



License for mGuard Secure VPN Client v11.x

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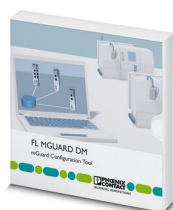
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Software

Software - FL MGUARD DM UNLIMITED - 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.

Program / configuration memory

Program / configuration memory - SD FLASH 2GB - 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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