

# Router - FL MGuard PCI4000 VPN



2701275

<https://www.phoenixcontact.com/pc/products/2701275>

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Security appliance, PCI card, 10/100 Mbps, NAT, advanced firewall, VPN, functionally extendable with licenses

## Your advantages

- Central management tool
- Maximum performance
- Maximum security

## Commercial Data

Item number	2701275
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	DNN332
Catalog Page	Page 341 (C-6-2019)
GTIN	4046356870078
Weight per Piece (including packing)	155.9 g
Weight per Piece (excluding packing)	146 g
Customs tariff number	85176200
Country of origin	DE

## Technical Data

### 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	WAN link, WAN activity, LAN link, LAN activity
No. of channels	2 (RJ45)

### Product properties

Product type	Security router without DIN rail mounting
Format	PCI

#### 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	10 (up to 250 tunnels with additional license as an option)
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	MAC and IP addresses, ports, protocols
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	Configurable stateful inspection firewall with full scope of functions
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
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
Protection against	IP spoofing, DoS and Syn Flood Protection
Encryption methods	DES, 3DES, AES-128, -192, -256
Virtual private network (VPN) throughput	max. 42 Mbps (Router)
	max. 27 Mbps (Stealth mode, VPN bidirectional throughput)

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## Electrical properties

Local diagnostics	One LED per port Activity LED red
	One LED per port Link active Green LED

## Supply

Power supply connection	Via PCI bus
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## Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	0 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 % (non-condensing)

## Mounting

Mounting type	PCI slot
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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## LED signaling

Status display	Link/activity per port
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## Approvals



**cUL Recognized**

Approval ID: FILE E 238705



**UL Recognized**

Approval ID: FILE E 238705



**EAC**

Approval ID: RU C-DE.A\*30.B.01082



**EAC**

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

**cULus Recognized**

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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/pc/products/2832250>

Patch cable, CAT5, assembled, 0.3 m



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### Patch cable

Patch cable - FL CAT5 PATCH 0,5 - 2832263

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



Patch cable, CAT5, assembled, 1 m

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## Patch cable

Patch cable - FL CAT5 PATCH 1,5 - 2832221

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

Patch cable, CAT5, assembled, 2 m



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## Patch cable

Patch cable - FL CAT5 PATCH 3,0 - 2832292

<https://www.phoenixcontact.com/pc/products/2832292>

Patch cable, CAT5, assembled, 3 m



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## Patch cable

Patch cable - FL CAT5 PATCH 5,0 - 2832580

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

Patch cable, CAT5, assembled, 5 m



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## Patch cable

Patch cable - FL CAT5 PATCH 7,5 - 2832616

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

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/pc/products/2832629>

Patch cable, CAT5, assembled, 10 m



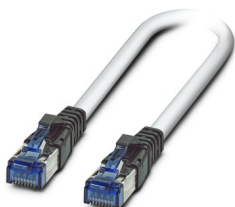
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## Patch cable

Patch cable - FL CAT6 PATCH 12,5 - 2891369

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

Patch cable, CAT6, pre-assembled, 12.5 m



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## Patch cable

Patch cable - FL CAT6 PATCH 15,0 - 2891372

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



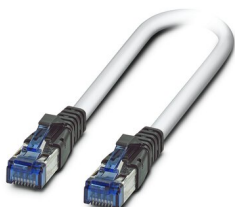
Patch cable, CAT6, pre-assembled, 15.0 m

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## Patch cable

Patch cable - FL CAT6 PATCH 20,0 - 2891576

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



Patch cable, CAT6, pre-assembled, 20.0 m

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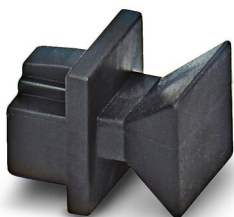
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## Dust protection

Dust protection - FL RJ45 PROTECT CAP - 2832991

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



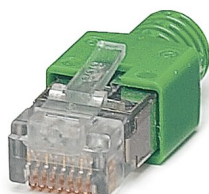
Dust protection caps for RJ45 socket

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## RJ45 connector

RJ45 connector - FL PLUG RJ45 GR/2 - 2744856

<https://www.phoenixcontact.com/pc/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.

# Router - FL MGuard PCI4000 VPN

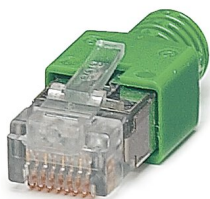
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<https://www.phoenixcontact.com/pc/products/2701275>

## RJ45 connector

RJ45 connector - FL PLUG RJ45 GN/2 - 2744571

<https://www.phoenixcontact.com/pc/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.

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## Assembly tool

Assembly tool - FL CRIMPTOOL - 2744869

<https://www.phoenixcontact.com/pc/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 Modbus Inspector - 2702980

<https://www.phoenixcontact.com/pc/products/2702980>



License for activating the Modbus inspector function on an FL/TC MGuard

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## License

License - FL MGuard LIC Lifetime FW - 2700184

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



License for lifetime software update of FL MGuard field devices.

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## License

License - FL MGuard LIC CIM - 2701083

<https://www.phoenixcontact.com/pc/products/2701083>



License for activating CIFS Integrity Monitoring (CIM) on an FL MGuard

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## License

License - FL MGuard LIC VPN-250 GROUP - 2700192

<https://www.phoenixcontact.com/pc/products/2700192>



License for up to 250 additional VPN online connections



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## License

License - FL MGUARD LIC VPN-250 - 2700193

<https://www.phoenixcontact.com/pc/products/2700193>



License for up to 250 additional VPN online connections

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## License

License - FL MGUARD LIC VPN-10 - 2700194

<https://www.phoenixcontact.com/pc/products/2700194>



License for up to 10 additional VPN online connections

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## License

License - MGUARD SECURE VPN CLIENT LIC - 2702579

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



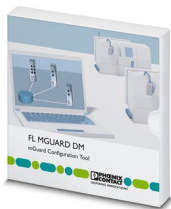
License for mGuard Secure VPN Client v11.x

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## Software

Software - FL MGUARD DM UNLIMITED - 2981974

<https://www.phoenixcontact.com/pc/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.

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## Program / configuration memory

Program / configuration memory - SD FLASH 2GB - 2988162

<https://www.phoenixcontact.com/pc/products/2988162>



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

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