

# FL MGUARD 4102 PCI - Router



1441187

<https://www.phoenixcontact.com/us/products/1441187>

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Security appliance, PCIe card, 10/100/1000 Mbps, NAT, advanced firewall, VPN

## Your advantages

- Central management tool
- Maximum security
- Maximum performance
- Integration of IT and OT security
- mGuard security technology

## Commercial data

Item number	1441187
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN30
Product key	DNN332
GTIN	4063151821456
Weight per piece (including packing)	172.4 g
Weight per piece (excluding packing)	89.78 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Interfaces

#### Ethernet

Connection method	RJ45
Transmission speed	10/100/1000 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 ports)

### System properties

#### System requirements

Supported browsers	HTTPS support required
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### Product properties

Product type	Security routers 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	250
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. 940 Mbps (Router mode, default firewall rules, unidirectional throughput) max. 850 Mbps (Stealth mode, default firewall rules, unidirectional throughput)
Firewall rules	Configurable stateful inspection firewall with full scope of functions
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/server
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. 250 Mbps (Router mode, VPN unidirectional throughput)

## 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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## Connection data

Cross section AWG	(converted acc. to IEC)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

## Mounting

Mounting type	PCI slot
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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 ... 6000 MHz)
	IEC 61000-6-2 IEC 61000-4-4 (burst)
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 1 kV (line/earth), 0.5 kV (line/line), 1 kV data line
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) 10 V (150 kHz ... 80 MHz)
Noise immunity	EN 61000-6-2:2005
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 61000-6-4

## Signaling

Status display	Link/activity per port
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1441187>



**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705

**cULus Recognized**

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## Classifications

### ECLASS

ECLASS-11.0	19170406
ECLASS-12.0	19170406
ECLASS-13.0	19170406

### ETIM

ETIM 9.0	EC001478
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## Environmental product compliance

RECh SVHC

4,4'-isopropylidenediphenol (BPA) 80-05-7

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## Accessories

### MGUARD SECURE VPN CLIENT LIC - License

2702579

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



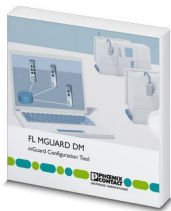
License for mGuard Secure VPN Client v11.x

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### FL MGUARD DM UNLIMITED - Software

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.

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## SD FLASH 2GB - Program / configuration memory

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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