

# FL MGUARD 4102 PCIE - Router



1357842

<https://www.phoenixcontact.com/us/products/1357842>

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Security-Router series, 2 RJ45 ports 10/100/1000 Mbps, degree of protection: IP00, Ambient temperature (operation): -20 °C ... 70 °C, NAT, VPN, Product certified in accordance with IEC 62443-4-2, Configurable stateful inspection firewall with full scope of functions

## Your advantages

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

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1357842       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN30          |
| Product key                          | DNN312        |
| GTIN                                 | 4063151686802 |
| Weight per piece (including packing) | 153.4 g       |
| Weight per piece (excluding packing) | 90.68 g       |
| Customs tariff number                | 85176200      |
| Country of origin                    | DE            |

## Technical data

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

### 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

#### Functionality

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| Basic functions | Router with intelligent firewall and VPN for 250 tunnels |
|-----------------|----------------------------------------------------------|

#### System requirements

|                    |                        |
|--------------------|------------------------|
| Supported browsers | HTTPS support required |
|--------------------|------------------------|

### Product properties

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| Product type       | Security routers without DIN rail mounting               |
| Product family     | Security-Router                                          |
| Special properties | NAT                                                      |
|                    | VPN                                                      |
|                    | Product certified in accordance with IEC 62443-4-2       |
| Format             | PCle                                                     |
| Basic functions    | Router with intelligent firewall and VPN for 250 tunnels |

#### Insulation characteristics

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

### Electrical properties

|                   |                                        |
|-------------------|----------------------------------------|
| Power consumption | max. 2.88 W                            |
| Local diagnostics | One LED per port Activity LED red      |
|                   | One LED per port Link active Green LED |

#### Supply

|                         |              |
|-------------------------|--------------|
| Power supply connection | via PCIe bus |
|-------------------------|--------------|

### Environmental and real-life conditions

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## 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 | PCIe x1-Slot |
|---------------|--------------|

## EMC data

|                                 |                                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility   | Conformance with EMC Directive 2014/30/EU                                                             |
| 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) 2 kV power line, 2 kV data line                                   |
|                                 | 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                                                                                     |

## Noise emission

|                       |              |
|-----------------------|--------------|
| Standards/regulations | 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/1357842>



**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705

**Cybersecurity Certificate**  
Approval ID: 968 CSP 1029.00 25

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 19170406 |
| ECLASS-15.0 | 19170406 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001478 |
|----------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(c)-I                                                                                                                                                                                                                            |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | 4,4'-isopropylidenediphenol(CAS: 80-05-7)                                                                                                                                                                                         |