FL MGUARD 2102 - Router

1357828

https://www.phoenixcontact.com/us/products/1357828



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Remote maintenance router, 10/100/1000 Mbps, NAT, VPN, firewall



Product Description

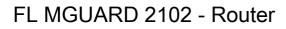
Security remote maintenance router

Your advantages

- · Central management tool
- Maximum performance
- · Maximum security
- · Remote maintenance with maximum security
- mGuard security technology

Commercial Data

Item number	1357828
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DN28
Product Key	DNN311
GTIN	4063151685737
Weight per Piece (including packing)	446.4 g
Weight per Piece (excluding packing)	330 g
Customs tariff number	85176200
Country of origin	DE



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Technical Data

Dimensions

Width	45 mm
Height	130 mm
Depth	133.8 mm

Material specifications

Number of VPN tunnels

Color	gray
Housing material	Plastic

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	Supply voltage, data transmission, error, link, activity
No. of channels	2 (RJ45 ports)
2x digital output, 2x digital input	
Connection method	Push-in-/Spring-cage connection
Additional text	not electrically isolated
VPN - release button	
Connection method	Push-in-/Spring-cage connection
ystem properties	
Functionality Basic functions	Router with firewall and VPN for 2 tunnels (fixed), plastic housing, slot for SD memory card, extended temperature range, Gigabit wire speed
Functionality Basic functions	housing, slot for SD memory card, extended temperature range,
Functionality	housing, slot for SD memory card, extended temperature range,
Functionality Basic functions System requirements	housing, slot for SD memory card, extended temperature range, Gigabit wire speed
Functionality Basic functions System requirements Supported browsers	housing, slot for SD memory card, extended temperature range, Gigabit wire speed
Functionality Basic functions System requirements Supported browsers Product properties	housing, slot for SD memory card, extended temperature range, Gigabit wire speed HTTPS support required
Functionality Basic functions System requirements Supported browsers roduct properties Type	housing, slot for SD memory card, extended temperature range, Gigabit wire speed HTTPS support required Stand-Alone
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Functionality Basic functions System requirements Supported browsers roduct properties Type Product type Insulation characteristics Protection class	housing, slot for SD memory card, extended temperature range, Gigabit wire speed HTTPS support required Stand-Alone Security router for the DIN rail

2 (Fixed, Ipsec (IETF standard))

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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	Incoming or outgoing traffic
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	simple stateful inspection firewall, no user firewall, no conditiona firewall, no rule sets
Basic functions	Router with firewall and VPN for 2 tunnels (fixed), plastic housing, slot for SD memory card, extended temperature range Gigabit wire speed
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 externals server
Routing	Standard routing, NAT, 1:1-NAT, port forwarding
Encryption methods	DES, 3DES, AES-128, -192, -256
Virtual private network (VPN) throughput	max. 250 Mbps (Router mode, VPN unidirectional throughput)
ctrical properties	
Local diagnostics	US1 Supply voltage US1 Green LED
	One LED per port Link active / Speed Green / green/yellow LED
Maximum power dissipation for nominal condition	typ. 2.88 W

Supply

Supply voltage (DC)	24 V DC
Supply voltage range	12 V DC 36 V DC
Power supply connection	via COMBICON, max. conductor cross section 1.5 mm ²
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	1 A
Typical current consumption	120 mA (at U _S = 24 V DC)
unction	
Signal contact control voltage	24 V DC (typical)

250 mA (short-circuit-proof)

Environmental and real-life conditions

Signal contact control current

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 70 °C
Permissible humidity (operation)	5 % 95 % (non-condensing)

Standards and regulations



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Free from substances that could impair the application of coating	Yes
oprovals	
Conformity/Approvals	
Conformance	CE-compliant
ounting	
Mounting type	DIN rail mounting
MC 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	LEDs: US1, FAIL, Link, and Activity



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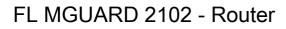


Approvals

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001478
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Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
	4,4'-isopropylidenediphenol (BPA) 80-05-7



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Accessories

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.

MGUARD SECURE VPN CLIENT LIC - License

2702579

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License for mGuard Secure VPN Client v11.x



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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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