FL MGUARD GT/GT VPN - Router

2700198

https://www.phoenixcontact.com/au/products/2700198

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Security appliance, 10/100/1000 Mbps, NAT, VPN, advanced firewall, SFP combo ports, functionally extendable with licenses

Your advantages

- Intelligent stateful inspection firewall
- Central management tool
- Secure remote services (VPN) according to IPsec standard
- Replaceable configuration memory
- Flexible routing
- Comprehensive connection options
- Fast operation by means of configuration and remote maintenance portal

Commercial data

Item number	2700198
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN331
Product key	DNN331
Catalog page	Page 335 (C-6-2019)
GTIN	4046356499668
Weight per piece (including packing)	829.5 g
Weight per piece (excluding packing)	829.5 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Width	128 mm
Height	110 mm
Depth	69 mm

Material specifications

Color	gray aluminum
Housing material	Metal

Interfaces

Ethernet (combo)

Connection method	SFP/RJ45
Note on the connection method	Either SFP port or RJ45 port active
Transmission speed	10/100/1000 Mbps (SFP module: 100/1000 Mbps)
Transmission physics	Copper or SFP module
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
No. of channels	2 (Combo ports)

Serial (RS-232)

Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2)

Fiber optic interface

Connection method	SFP
Transmission speed	1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)

System properties

Functionality

Basic functions	Router with intelligent firewall and Gigabit connectivity and VPN

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)

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. 417 Mbps (Router mode, default firewall rules, bidirectional throughput)
	max. 174 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Configurable stateful inspection firewall
Basic functions	Router with intelligent firewall and Gigabit connectivity and VPN
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 externals 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. 106 Mbps (Router mode, VPN bidirectional throughput)
	max. 66 Mbps (Stealth mode, VPN bidirectional throughput)

Electrical properties

Power consumption	6.5 W
Maximum power dissipation for nominal condition	typ. 6.48 W
Test voltage	500 V DC
Test section	for one minute 500 V DC

Supply

Supply voltage (DC)	24 V DC (redundant)
Supply voltage range	18 V DC ... 32 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm²
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Max. current consumption	270 mA
Typical current consumption	270 mA (at U_S = 24 V DC)

Function

Signal contact control voltage	24 V DC (typical)
Signal contact control current	270 mA (typical)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	DIN EN 60068-2-27

Vibration (operation)	in accordance with IEC 60068-2-6: 5g, 10 Hz ... 150 Hz
Air pressure (operation)	86 hPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 hPa ... 108 kPa (3500 m above sea level)

Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification

Mounting

Mounting type	DIN rail mounting

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)
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: LNK, Mode, Inf, ACT, SPD, FD, US1, US2, Fail, and 7-segment display

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/au/products/2700198

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

DNV GL
Approval ID: TAA00002CU

LR
Approval ID: LR22191720TA

BV
Approval ID: 42674/B0 BV

UL Listed
Approval ID: FILE E 238705

cUL Listed
Approval ID: FILE E 238705

RINA
Approval ID: ELE121121XG

ABS
Approval ID: 23-2450089-PDA

cULus Listed

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001478

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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