FL MGUARD GT/GT VPN - Router

2700198

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The figure shows a version of the product

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	DN30
Product key	DNN331
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

Notes

Note on application

Note on application	Only for industrial use

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)

Output data

Signal contact

Control voltage	24 V DC (typical)
Control current	270 mA (typical)

Product properties

Product type	Security router for the DIN rail
Type	Stand-alone

Insulation characteristics

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

Security functions

Basic functions	Router with intelligent firewall and Gigabit connectivity and VPN
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
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
Internet Protocol Security (IPsec) mode	ESP tunnel / ESP transport
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
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 section	500 V DC 1 min

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)
Ground connection	Via DIN rail and/or COMBICON (optional)

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

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 ... 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

Noise emission

Standards/regulations	EN 61000-6-4

Signaling

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

Classifications

ECLASS

ECLASS-13.0	19170406

ETIM

ETIM 9.0	EC001478

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 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.)	Lead(CAS: 7439-92-1)
SCIP	02993b10-0d9a-42f3-b788-8bb85c3d9006

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