

FL MGUARD GT/GT VPN

Order No.: 2700198

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Router with intelligent firewall, VPN, up to 200 Mbps data throughput, Gigabit connectivity, SFP slots, stateful inspection firewall for maximum security and extremely easy configuration, replaceable configuration memory

Commercial data

GTIN (EAN)	4046356499668
Note	Made-to-order
sales group	K006
Pack	1 pcs.
Weight/Piece	0.7925 KG
Catalog page information	Page 315 (NTK-2010)

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Technical data

Interfaces

Interface	Ethernet
No. of ports	2
Type of connection	RJ45
Transmission physics	Copper
Transmission speed	10/100/1000 Mbit/s
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
Interface	Serial (RS-232)

Type of connection	RS-232-C, 6-pos. MINI-DIN female connector (PS/2)
Interface	Fiber optic interface
Type of connection	SFP ports
Transmission physics	Depending on the SFP module
Transmission speed	1000 MBit/s (full duplex)
Transmission length	Up to 80 km (Depending on the fiber/SFP module used)

Function

Basic functionality	Router with intelligent firewall and Gigabit connectivity and VPN
Management	Web based management, SNMP or over V.24 (RS-232)

Network extension parameters

Maximum conductor length ((twisted pair)	100 m
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Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Range of supply voltages	18 V DC ... 32 V DC
Typical current consumption	270 mA
Max. current consumption	270 mA

General data

Weight	660 g
Width	128 mm
Height	110 mm
Depth	69 mm
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)
Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC
Emitted interference	EN 61000-6-4
Immunity to interference	EN 61000-6-2:2005

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	6 kV contact discharge, 8 kV air discharge

Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	10 V/m (80-2000 MHz)
Test standard	IEC 61000-4-4 (burst)
Test result	2 kV power line, 1kV data line
Test standard	IEC 61000-4-5 (surge)
Test result	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	3 V(10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

Security functions

Dynamic host configuration protocol (DHCP) support	Server or Relay Agent
Network time protocol (NTP) client	Client
Link layer discovery protocol (LLDP)	As per protocol 802.2
Remote Syslog Logging	On externals server
Virtual private network (VPN) throughput	≥ 70 Mbps
Number of VPN tunnels	10 (Up to 250 with license possible)
Encryption methods	DES, 3DES, AES-128, -192, -256
Internet protocol security (IPsec) mode	ESP-Tunnel / ESP-Transport
Authentication	X.509v3- certificates with RSA or PSK
Data integrity	MD5, SHA-1
1:1 Network address translation (NAT) in the VPN	Supported
Firewall data throughput	Up to 200 Mbps
Firewall rules	Configurable Stateful-Inspection-Firewall
Filtering	MAC and IP addresses, ports, protocols
Protection against	IP spoofing, DoS and Syn Flood Protection
Routing	Standard routing, NAT, 1:1-NAT, port forwarding

Certificates / Approvals

Certifications applied for: UL Listed / CUL Listed

Accessories

Item	Designation	Description
Cable/conductor		
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m
2832629	FL CAT5 PATCH 10,0	Patch cable, CAT5, assembled, 10.0 m

2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2832580	FL CAT5 PATCH 5,0	Patch cable, CAT5, assembled, 5.0 m
2832616	FL CAT5 PATCH 7,5	Patch cable, CAT5, assembled, 7.5 m
2891369	FL CAT6 PATCH 12,5	Patch cable, CAT6, pre-assembled, 12.5 m
2891372	FL CAT6 PATCH 15,0	Patch cable, CAT6, pre-assembled, 15.0 m
2891576	FL CAT6 PATCH 20,0	Patch cable, CAT6, pre-assembled, 20.0 m

General

2891259	FL MEM PLUG	Exchangeable configuration memory of the device settings for simple device exchange and set-up
2989912	FL SFP LH	Smallform-Factor-Pluggable module is a pluggable input/output module for FO and is used in Gigabit Ethernet. Longhaul communication network
2891767	FL SFP LX	Small form factor pluggable module is a plug-in input/output module for FO and is used in Gigabit Ethernet. Glass fiber module with wavelengths of 1300 nm (long).
2891754	FL SFP SX	Small form factor pluggable module is a pluggable input/output module for FO and is used in Gigabit Ethernet. Glass fiber module with a wavelength of 850 nm (short).

Address

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