

## Router - FL MGuard SMART2 VPN - 2700639

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Router with intelligent firewall, up to 99 Mbps data throughput (wire speed performance), stateful inspection firewall for maximum security and extremely easy configuration, VPN according to IPsec standard, hardware encryption with up to 35 Mbps



### Product description

**Small**  
The mGuard smart from Innominate features maximum possible security and performance in a minimum amount of space. It has never been easier to protect critical company computers, machines or any other IP connection reliably and securely from attacks.

**Strong**  
The mGuard smart security appliance combines the extremely powerful mGuard hardware platform with proven mGuard firmware. Based on a robust embedded Linux system from Innominate, this combination integrates four perfectly coordinated security components: a bidirectional stateful firewall, a flexible NAT router, a high-security VPN gateway, and industrial protection against malware as an option.

**Smart**  
With its rugged housing and uncomplicated power supply via any USB port, the mGuard smart is the ideal solution for the mobile protection of critical company resources. Changes to the location and infrastructure can be implemented quickly and inexpensively.


**Focus on security**  
The mGuard smart is particularly suitable for the mobile and stationary protection of workstations and environments close to the production process with low requirements for industrial hardening. It can be used as a secure firewall between office and production networks, as a remote maintenance client or as a security router for small workgroups.

**Secure remote maintenance**  
For software-independent remote maintenance scenarios, the mGuard smart can be used as a mobile VPN client and as a temporary VPN connection for secure remote machine maintenance via IPsec-encrypted VPN tunnels. It is particularly ideal for medium-scale machine and system engineering when used as an inexpensive teleservice infrastructure for connecting machines, controllers or mobile technicians.

### Why buy this product

- VPN module for mobile use

### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 616591
Weight per Piece (excluding packing)	189.8 g
Custom tariff number	85176200
Country of origin	Germany

### Technical data

#### Dimensions

Width	77 mm
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## Technical data

### Dimensions

Height	27 mm
Depth	115 mm

### Ambient conditions

Degree of protection	IP30
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 % (non-condensing)

### Interfaces

Interface 1	Ethernet
No. of ports	2 (RJ45)
Connection method	RJ45
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 MBit/s
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity

### Function

Basic functions	Firewall/router for office use or mobile service technicians
Management	Web-based management, SNMP
Supported browsers	HTTPS support required
Processor	Freescale processor with 300 MHz clocking
Status and diagnostic indicators	LEDs: In combination for boot process, heartbeat, system error, Ethernet status, recovery mode
Signal contact control current	500 mA (via USB interface or external power supply unit as an option)

### 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 external server
Virtual private network (VPN) throughput	max. 41.94304 Mbps (Router mode, VPN bidirectional throughput) max. 27.262976 Mbps (Stealth mode, VPN bidirectional throughput)
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	max. 130.023424 Mbps (Router mode, default firewall rules, bidirectional throughput:) max. 60.817408 Mbps (Stealth mode, default firewall rules, bidirectional throughput)

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## Technical data

### Security functions

Firewall rules	Configurable stateful inspection firewall
Filtering	MAC and IP addresses, ports, protocols
Protection against	IP spoofing, DoS and Syn Flood Protection
Routing	NAT, 1:1-NAT, Port Forwarding

### Network expansion parameters

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

Supply voltage	5 V DC (from USB interface)
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### General

Type AX	Stand-alone
Weight	160 g

## Classifications

### eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	27242215
eCl@ss 5.1	19030101
eCl@ss 6.0	19170103
eCl@ss 7.0	19170103
eCl@ss 8.0	19170103

### ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001478
ETIM 5.0	EC001478

### UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	20142601

## Accessories

### Accessories

#### Connector set

## Router - FL MGUARD SMART2 VPN - 2700639

### Accessories

#### RJ45 connector - FL PLUG RJ45 GR/2 - 2744856



RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.

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#### RJ45 connector - FL PLUG RJ45 GN/2 - 2744571



RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.

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### Media converter

#### FO converters - FL MC EF 1300 MM SC - 2902853



FO converter with SC duplex fiber optic connection (1300 nm), for converting 10/100Base-T(X) to multi-mode fiberglass (50/125  $\mu\text{m}$ ). Auto negotiation and auto MDI(X) function. Comprehensive link diagnostics. DIN-rail mountable, 18 ... 30 V DC supply.

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### Patch cable

#### Patch cable - FL CAT5 PATCH 0,3 - 2832250



Patch cable, CAT5, assembled, 0.3 m

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#### Patch cable - FL CAT5 PATCH 0,5 - 2832263



Patch cable, CAT5, assembled, 0.5 m

## Router - FL MGUARD SMART2 VPN - 2700639

### Accessories

Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1.0 m

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Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

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Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2.0 m

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Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3.0 m

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Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5.0 m

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## Router - FL MGUARD SMART2 VPN - 2700639

### Accessories

Patch cable - FL CAT5 PATCH 7,5 - 2832616



Patch cable, CAT5, assembled, 7.5 m

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Patch cable - FL CAT5 PATCH 10,0 - 2832629



Patch cable, CAT5, assembled, 10.0 m

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Patch cable - FL CAT6 PATCH 12,5 - 2891369



Patch cable, CAT6, pre-assembled, 12.5 m

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Patch cable - FL CAT6 PATCH 15,0 - 2891372



Patch cable, CAT6, pre-assembled, 15.0 m

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Patch cable - FL CAT6 PATCH 20,0 - 2891576



Patch cable, CAT6, pre-assembled, 20.0 m

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Patch panel

## Router - FL MGuard SMART2 VPN - 2700639

### Accessories

Patch panels - FL PF 2TX CAT5E - 2891165



Patch field with two RJ45 CAT5e network connections

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Patch panels - FL PF 8TX CAT5E - 2891178



Patch field with eight RJ45 CAT5e network connections

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### Protective cap

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket

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### Universal tools

Assembly tool - FL CRIMPTOOL - 2744869



Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45..., for assembly on site

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