

# 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

The figure shows a version of the product

## 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.

## Your advantages

- VPN module for mobile use



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356616591

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## Technical data

### Dimensions

Width	77 mm
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	Ethernet
No. of ports	2 (RJ45)
Transmission physics	Ethernet in RJ45 twisted pair
Transmission speed	10/100 Mbps
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
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
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, SHA 256, SHA-512
1:1 Network Address Translation (NAT) in the VPN	Supported
Firewall data throughput	max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput) max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
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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# Router - FL MGUARD SMART2 VPN - 2700639

## Technical data

### Supply voltage

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

Type AX	Stand-alone
Net weight	160 g
Housing material	Plastic

### Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 10.0.1	19170405
eCl@ss 4.0	27240400
eCl@ss 4.1	27240400
eCl@ss 5.0	19030100
eCl@ss 5.1	19030100
eCl@ss 6.0	19170100
eCl@ss 7.0	19170103
eCl@ss 8.0	19170103
eCl@ss 9.0	19170103

### ETIM

ETIM 3.0	EC001423
ETIM 4.0	EC001478
ETIM 5.0	EC001478
ETIM 6.0	EC001478
ETIM 7.0	EC001478

### UNSPSC

UNSPSC 6.01	20142601
UNSPSC 7.0901	20142601
UNSPSC 11	20142601
UNSPSC 12.01	20142601
UNSPSC 13.2	43222609
UNSPSC 18.0	43222609

# Router - FL MGUARD SMART2 VPN - 2700639

## Classifications

### UNSPSC

UNSPSC 19.0	43222609
UNSPSC 20.0	43222609
UNSPSC 21.0	43222609

## Approvals

### Approvals

Approvals

EAC

Ex Approvals

### Approval details

EAC		RU*DE*08.B.00731/19
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## Accessories

### Accessories

#### Configuration memory

Configuration memory - FL MEM PLUG - 2891259



Exchangeable configuration memory of the device settings for simple device exchange and set-up

### Data plug

Assembly tool - FL CRIMPTOOL - 2744869



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

### Device parameterization

## Router - FL MGuard SMART2 VPN - 2700639

### Accessories

Software - FL MGuard DM UNLIMITED - 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.

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### License

License - FL MGuard LIC LIFETIME FW - 2700184



License for lifetime software update of FL MGuard field devices.

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License - FL MGuard LIC CIM - 2701083



License for activating CIFS Integrity Monitoring (CIM) on an FL MGuard

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License - FL MGuard LIC VPN-250 GROUP - 2700192



License for up to 250 additional VPN online connections

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License - FL MGuard LIC VPN-250 - 2700193



License for up to 250 additional VPN online connections

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## Router - FL MGuard SMART2 VPN - 2700639

### Accessories

License - FL MGuard LIC VPN-10 - 2700194



License for up to 10 additional VPN online connections

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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

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Patch cable - FL CAT5 PATCH 1,0 - 2832276



Patch cable, CAT5, assembled, 1 m

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Patch cable - FL CAT5 PATCH 1,5 - 2832221



Patch cable, CAT5, assembled, 1.5 m

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## Router - FL MGUARD SMART2 VPN - 2700639

### Accessories

Patch cable - FL CAT5 PATCH 2,0 - 2832289



Patch cable, CAT5, assembled, 2 m

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Patch cable - FL CAT5 PATCH 3,0 - 2832292



Patch cable, CAT5, assembled, 3 m

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Patch cable - FL CAT5 PATCH 5,0 - 2832580



Patch cable, CAT5, assembled, 5 m

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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 m

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## Router - FL MGuard SMART2 VPN - 2700639

### Accessories

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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### Plug

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.



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.



### Protective cap



## Router - FL MGuard SMART2 VPN - 2700639

### Accessories

Dust protection - FL RJ45 PROTECT CAP - 2832991



Dust protection caps for RJ45 socket

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### Remote control software

License - MGuard SECURE VPN CLIENT LIC - 2702579



License for mGuard Secure VPN Client v11.x

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### SFP module

Media module - FL SFP LX - 2891767



Gigabit SFP module for transmission up to 30 km with a wavelength of 1310 nm.

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Media module - FL SFP SX - 2891754



Gigabit SFP module for transmission up to 1 km with a wavelength of 850 nm.

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Media module - FL SFP LH - 2989912



Gigabit SFP module for transmission up to 80 km with a wavelength of 1,550 nm.

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## Router - FL MGUARD SMART2 VPN - 2700639

### Accessories

Media module - FL SFP FX - 2891081



The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

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Media module - FL SFP FX SM - 2891082



The small form-factor plug-in module provides a fiber optic interface with a data transmission speed of 100 Mbps with a wavelength of 1310 nm (long).

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