

## Router - FL MGuard SMART2 - 2700640

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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



### 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, 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.

### Why buy this product

- Supply via USB



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 STK   |
| GTIN                                 | <br>4 046356 613842 |
| GTIN                                 | 4046356613842   |
| Weight per Piece (excluding packing) | 185.200 g   |
| Custom tariff number                 | 85176200  |
| Country of origin                    | Germany   |

### Technical data

#### Dimensions

# Router - FL MGUARD SMART2 - 2700640

## 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 1          | Ethernet   |
| No. of ports         | 2 (RJ45)   |
| Connection method    | 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  |
| 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. 42 Mbps (Router mode, VPN bidirectional throughput)<br>max. 27 Mbps (Stealth mode, VPN bidirectional throughput)  |
| Number of VPN tunnels                              | 0 (up to 250 tunnels with additional license as an option)   |
| Encryption methods                                 | DES, 3DES, AES-128, -192, -256   |
| Firewall data throughput                           | max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput)<br>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  |

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## Technical data

### Network expansion parameters

|   |       |
|---|-------|
| Maximum conductor length (twisted pair) | 100 m |
|---|-------|

### Supply voltage

|                |                             |
|----------------|-----------------------------|
| Supply voltage | 5 V DC (from USB interface) |
|----------------|-----------------------------|

### General

|            |             |
|------------|-------------|
| Type AX    | Stand-alone |
| Net weight | 185.2 g     |

### Standards and Regulations

|                               |   |
|-------------------------------|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
|-------------------------------|---|

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## 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 |
| eCl@ss 9.0 | 19170103 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001423 |
| ETIM 4.0 | EC001478 |
| ETIM 5.0 | EC001478 |
| ETIM 6.0 | EC001478 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 20142601 |
| UNSPSC 7.0901 | 20142601 |
| UNSPSC 11     | 20142601 |
| UNSPSC 12.01  | 20142601 |
| UNSPSC 13.2   | 43222609 |

## Approvals

### Approvals

# Router - FL MGuard SMART2 - 2700640

## Approvals

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Approvals

EAC

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Ex Approvals

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## Approval details

|     |  |                          |
|-----|--|--------------------------|
| EAC |  | RU *-<br>DE.A*30.B.01735 |
|-----|--|--------------------------|

## Accessories

Accessories

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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## Router - FL MGuard SMART2 - 2700640

### Accessories

License - FL MGuard LIC VPN-250 - 2700193



License for up to 250 additional VPN online connections

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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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## Router - FL MGuard SMART2 - 2700640

### Accessories

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 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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## Router - FL MGUARD SMART2 - 2700640

### Accessories

Patch cable - FL CAT5 PATCH 10,0 - 2832629

Patch cable, CAT5, assembled, 10 m



Patch cable - FL CAT6 PATCH 12,5 - 2891369

Patch cable, CAT6, pre-assembled, 12.5 m



Patch cable - FL CAT6 PATCH 15,0 - 2891372

Patch cable, CAT6, pre-assembled, 15.0 m



Patch cable - FL CAT6 PATCH 20,0 - 2891576

Patch cable, CAT6, pre-assembled, 20.0 m



### 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.



## Router - FL MGuard SMART2 - 2700640

### Accessories

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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### Protective cap

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 v10.0x

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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