

1053403
<https://www.phoenixcontact.com/gb/products/1053403>

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Security appliance in metal housing, with extended temperature range, SD card slot, VPN for 10 VPN tunnels (optionally up to 250 with additional license), intelligent firewall with full scope of functions for maximum security and easy configuration, router with NAT/1:1 NAT, optional CIFS integrity monitoring

Commercial data

Item number	1053403
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN431
Product key	DNN431
GTIN	4055626685342
Weight per piece (including packing)	861.6 g
Weight per piece (excluding packing)	725 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Width	45 mm
Height	130 mm
Depth	120.6 mm

Material specifications

Color	silver
Housing material	Metal

Interfaces

Ethernet

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

Signal contact

Connection method	Plug-in/screw connection via COMBICON
Additional text	not electrically isolated

VPN - release button

Connection method	24 V DC/250 mA can be connected as an option
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System properties

Functionality

Basic functions	Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
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System requirements

Supported browsers	HTTPS support required
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Product properties

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

Insulation characteristics

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

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
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Filtering	MAC and IP addresses, ports, protocols
Firewall data throughput	max. 124 Mbps (Router mode, default firewall rules, bidirectional throughput)
	max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Configurable stateful inspection firewall with full scope of functions
Basic functions	Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
Internet Protocol Security (IPsec) mode	ESP tunnel / ESP transport
Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Network Time Protocol (NTP) client	Client
Remote Syslog Logging	On external 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. 40 Mbps (Router mode, VPN bidirectional throughput)
	max. 27 Mbps (Stealth mode, VPN bidirectional throughput)

Electrical properties

Supply

Supply voltage (DC)	24 V DC (redundant)
Supply voltage range	11 V DC ... 36 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm ²
Residual ripple	3.6 V _{PP} (within the permitted voltage range)
Max. current consumption	0.24 A
Typical current consumption	100 mA (at U _S = 24 V DC)

Function

Signal contact control voltage	24 V DC (typical)
Signal contact control current	250 mA (short-circuit-proof)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C

Approvals

FL MGUARD RS4000 TX/TX VPN/K1 - Router



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Conformity/Approvals

Conformance	CE-compliant
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Mounting

Mounting type	DIN rail mounting
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EMC data

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
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55022 / Class B

Signaling

Status display	LEDs:P1, P2, Fault, State, Error, LAN, WAN
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FL MGuard RS4000 TX/TX VPN/K1 - Router



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Approvals

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EAC

Approval ID: RU *-DE.A*30.B.01735

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Classifications

ECLASS

ECLASS-11.0	19170406
ECLASS-12.0	19170406
ECLASS-13.0	19170406

ETIM

ETIM 8.0	EC001478
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UNSPSC

UNSPSC 21.0	43222600
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

FL CAT5 PATCH 0,3 - Patch cable

2832250

<https://www.phoenixcontact.com/gb/products/2832250>



Patch cable, CAT5, assembled, 0.3 m

FL CAT5 PATCH 0,5 - Patch cable

2832263

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Patch cable, CAT5, assembled, 0.5 m

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FL CAT5 PATCH 1,0 - Patch cable

2832276

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Patch cable, CAT5, assembled, 1 m

FL CAT5 PATCH 1,5 - Patch cable

2832221

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Patch cable, CAT5, assembled, 1.5 m

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FL CAT5 PATCH 2,0 - Patch cable

2832289

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Patch cable, CAT5, assembled, 2 m



FL CAT5 PATCH 3,0 - Patch cable

2832292

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Patch cable, CAT5, assembled, 3 m



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FL CAT5 PATCH 5,0 - Patch cable

2832580

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Patch cable, CAT5, assembled, 5 m

FL CAT5 PATCH 7,5 - Patch cable

2832616

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Patch cable, CAT5, assembled, 7.5 m

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FL CAT5 PATCH 10,0 - Patch cable

2832629

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Patch cable, CAT5, assembled, 10 m



FL CAT6 PATCH 12,5 - Patch cable

2891369

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Patch cable, CAT6, preassembled, 12.5 m



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FL CAT6 PATCH 15,0 - Patch cable

2891372

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Patch cable, CAT6, preassembled, 15.0 m

FL CAT6 PATCH 20,0 - Patch cable

2891576

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Patch cable, CAT6, preassembled, 20.0 m

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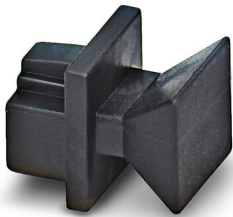


FL RJ45 PROTECT CAP - Dust protection

2832991

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Dust protection caps for RJ45 socket



FL PLUG RJ45 GR/2 - RJ45 connector

2744856

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

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FL PLUG RJ45 GN/2 - RJ45 connector

2744571

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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

FL CRIMPTOOL - Assembly tool

2744869

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

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FL MGUARD LIC CIM - License

2701083

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

FL MGUARD LIC VPN-250 GROUP - License

2700192

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License for up to 250 additional VPN online connections

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FL MGUARD LIC VPN-250 - License

2700193

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License for up to 250 additional VPN online connections

FL MGUARD LIC VPN-10 - License

2700194

<https://www.phoenixcontact.com/gb/products/2700194>



License for up to 10 additional VPN online connections

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MGuard SECURE VPN CLIENT LIC - License

2702579

<https://www.phoenixcontact.com/gb/products/2702579>



License for mGuard Secure VPN Client v11.x

FL MGuard DM UNLIMITED - Software

2981974

<https://www.phoenixcontact.com/gb/products/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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SD FLASH 2GB - Program / configuration memory

2988162

<https://www.phoenixcontact.com/gb/products/2988162>



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

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