

Router - PSI-MODEM-GSM/ETH - 2313355

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Industrial GSM router with GPRS/EDGE for mounting on EN DIN rail. GSM and GPRS/EDGE. 850 + 900 + 1800 + 1900 MHz. Ethernet interface. Firewall and VPN support. 6 alarm inputs and 4 switching outputs. 24 V DC supply voltage.

Why buy this product

- ✓ Configuration via web-based management
- ✓ Up to three VPN tunnels simultaneously
- ✓ Can be used worldwide
- ✓ Starting of VPN via call
- ✓ High electromagnetic compatibility
- ✓ Starting of VPN via SMS
- ✓ Authentication with X.509 certificates
- ✓ Firewall
- ✓ Encryption of SIM card PINs
- ✓ Data rates of up to 7.2 Mbps
- ✓ Autocrossing
- ✓ 10/100 Mbps automatic detection
- ✓ IPsec and OpenVPN support
- ✓ NAT table
- ✓ 6 digital switching inputs: for sending freely configurable text messages (SMS, FAX, e-mail) and starting user-defined functions
- ✓ Four switching outputs: can be activated via SMS and Ethernet and for GSM and connection diagnostics



Key commercial data

Packing unit	1 pc
GTIN	 4 046356 438827
Weight per Piece (excluding packing)	291.0 g
Weight per piece (including packing)	305.2 g
Custom tariff number	85176200
Country of origin	Germany
Sales Key	M1 - Communication Techn.

Router - PSI-MODEM-GSM/ETH - 2313355

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	35 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 75 °C
Permissible humidity (operation)	30 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	30 % ... 95 % (non-condensing)
Altitude	5000 m (For restrictions see manufacturer's declaration)
Degree of protection	IP20
Noise immunity	EN 61000-6-2:2005

Serial interface

Interface 1	Ethernet interface, 10/100BASE-T(X) in acc. with IEEE 802.3u
Interface	Ethernet
Connection method	RJ45 socket, shielded
Transmission length	100 m (shielded twisted pair)
Protocols supported	TCP/IP, UDP/IP, FTP, HTTP
Auxiliary protocols	ARP, DHCP, PING (ICMP), SNMP V1, SMTP
Serial transmission speed	10/100 Mbps, autonegotiation

Power supply

Nominal supply voltage	24 V DC ±5 % (as an alternative or redundant, via backplane bus contact and system current supply)
Supply voltage range	10 V DC ... 30 V DC (via pluggable COMBICON screw terminal block)
Typical current consumption	< 360 mA (24 V DC)
	< 90 mA (stand by)

General

Electrical isolation	(VCC // GSM // Ethernet // PE)
Test voltage data interface/data interface	500 V (50 Hz, 1 min.)
Test voltage data interface/power supply	500 V (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with R&TTE directive 1999/5/EC
Net weight	300 g
Housing material	PA 6.6-FR
Color	green
Conformance	CE-compliant
UL, USA / Canada	cULus listed UL 508

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Technical data

Radio interface

Interface description	GSM / GPRS / EDGE
Frequency	850 MHz (2 W (EGSM))
	900 MHz (2 W (EGSM))
	1800 MHz (1 W (EGSM))
	1900 MHz (1 W (EGSM))
Data rate	≤ 210 kbps (EDGE)
Antenna	50 Ω impedance SMA antenna socket
SIM interface 1	1.8 volt, 3 volt
GPRS	Class 12, Class B
	CS1 ... CS4
EDGE	Multislot Class 10
Network function	4 time slots for receiving data, 4 time slots for transmitting data. The PIN is saved in the modem. After a voltage interruption, there is automatic redialing into the network. Integrated TCP/IP stack, firewall and VPN support, independent connection establishment.
Network check	LED to show data signal quality

Classifications

eCl@ss

eCl@ss 4.0	27230207
eCl@ss 4.1	27230207
eCl@ss 5.0	27230207
eCl@ss 5.1	27230207
eCl@ss 6.0	27230207
eCl@ss 7.0	27230207
eCl@ss 8.0	27230207

ETIM

ETIM 2.0	EC000310
ETIM 3.0	EC000310
ETIM 4.0	EC000740
ETIM 5.0	EC000740

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

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Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 

cUL Listed 

cULus Listed 

Accessories

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Antenna

Antenna - PSI-GSM/UMTS-QB-ANT - 2313371



GSM UMTS antenna, with omnidirectional characteristic, 2 m antenna cable with SMA round connector

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Accessories

Antenna - PSI-GSM/UMTS-ANT-OMNI-2-5 - 2900982



GSM/UMTS omnidirectional antenna, 2 dBi gain, 5 m antenna cable with SMA circular connector

Coaxial cable

Antenna cable - PSI-CAB-GSM/UMTS- 5M - 2900980



GSM/UMTS antenna cable, 5 m long; SMA (male) -> SMA (female), 50 Ohm impedance

Antenna cable - PSI-CAB-GSM/UMTS-10M - 2900981



GSM/UMTS antenna cable, 10 m long; SMA (male) -> SMA (female), 50 Ohm impedance

DIN rail connector

Electronic housing - ME 17,5 TBUS 1,5/ 5-ST-3,81 GN - 2709561



DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

Power supply

Power supply unit - MINI-SYS-PS-100-240AC/24DC/1.5 - 2866983



DIN rail power supply unit, primary-switched mode, narrow design, output: 24 V DC / 1.5 A

Surge protection for transceiver systems

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Accessories

Surge protection device - CSMA-LAMBDA/4-2.0-BS-SET - 2800491



Attachment plug with Lambda/4 technology as surge protection for coaxial signal interfaces. Connection: Male/female SMA connectors.