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Data sheet

5G Industrial Cellular Router





5G/4G/3G Router

Worldwide usable via cellular network



1G Ports (IEEE 802.3ab)

All TCP/IP ports in Gigabit Ethernet design



PoE PD operation

Power supply via PoE PD feasible



IT Security

Feature set for high level of IT security



Extended operating temperature range

Ambient temperature range -25°..+70°C



Fanless design

Easy to maintain hardware design, no noise emissions

Technical Specifications

Cellular Interface

Number of 4 (ANTO, ANT1, ANT2, ANT3)

antennas

Connector SMA-K

SIM-Card 2x (3 V & 1.8 V), Standard SIM

GNSS

Number of 2 (ANT1, ANT2, Multiplexing antennas cellular antenna interface)

Connector

GNSS GPS/GLONASS(BeiDou (Compass)/Galileo) technology **Position** <2m (horizontal)

accuracy

Ethernet Interface

Number

Type Gigabit Ethernet,

10/100/1000Base-T, 4x LAN,

(Configurable to 1x WAN &

3x LAN)

Connector RJ-45 Port, shielded

Power-over-Powered Device (PD) IEEE **Ethernet**

802.3at at Port ETHO

WiFi Interface

Number of 2 (WiFi 1 & WiFi 2)

antennas Connector

RP-SMA-K

Standards 802.11b/g/n/ac 2*2 MIMO,

Supports AP and Client Mode

2,412 - 2,472 GHz Frequency bands

(2,4 GHz ISM Band) 5.15 - 5.825 GHz

(5 GHz ISM Band)

Security WPA, WPA2, WEP

AES, TKIP, WEP64 **Encryption**

Data speed 5G: Up to 867 Mbps

2,4G: Up to 300 Mbps

USB Interface

Number

Type USB 2.0 Host Power 5V, 500 mA

Serial Interface

Number 1x RS232

1x RS485

Connector 2x 5-Pin 3,5 mm female socket

Baud rate 300 bps to 115.200 bps

RS232: TXD, RXD, GND Signal definition RS485: Data+ (A), Data- (B),

Ground (GND)

Digital In / Out

Number 1x Digital Input

1x Digital Output

2x 5-Pin 3,5 mm female socket Connector

Max. Voltage 30 VDC (Digital Input)

30 VDC (Digital Output)

Max. Current 100 mA

3,75 kV DC **Isolation**

LEDs

Device LEDs Operation, Modem, USR, RSSI,

Net, WiFi

Power supply

10..30 VDC **Input Voltage**

Power Idle: 500 mA at 12 VDC Peak: 1,2 A at 12 VDC Consumption

Connector 3-Pin 3,5 mm female socket

with lock

Environmental Conditions

-25..+70 °C **Temperature** Operation -40..+85 °C

Storage

Humidity 5..95%, non-condensing

Mechanic

Dimensions 125 x 100 x 48 (in mm)

(W x D x H, without

connectors/antennas)

Material Aluminium

Weight Approx. 0,5 Kg

Desktop-, DIN Rail or wall Installation

mounting

IP-Rating IP30

Standars

EMC CE

Electrical safety CE

Firmware Features

System Management

- WEB GUI (http/https)
- CLI
- SMS

Supported Protocols

- PPP
- PPPoE
- TCP
- UDP
- ICMP
- NAT
- HTTP
- HTTPS
- DNS
- ARP
- NTP
- SMTP
- Telnet
- SSH2
- DDNS

VPN Tunnel

- IPsec
- Open VPN
- GRE

Firewall

- DMZ
- Anti-DoS
- Filtering (IP/Domain Name/MACaddress)
- Port Mapping
- Access Control

Serial Port

- Transparent
- TCP Client/Server
- UDP
- Modbus RTU to TCP

Order Information

Description	Article-No.:
5G Industrial Cellular Router	
5G Industrial Cellular Router 5/4/3G, GNSS, Wi-Fi, USB, PIN-Console, I/O, 4x 10/100/1000Base-T, 1x PD, 1030VDC, DIN-Rail, managed, -2570°C	MS659100M

Accessories

Description	Article-No.:
24VDC DIN-Rail Power supply	
Industrial DIN-Rail power supply 24VDC/1,25A (30W) Input: 100240VAC/120375VDC, Output: 2428VDC, -20+70°C	MS700440

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