

ROBUSTEL R3000

Industrial wireless VPN router for M2M applications



■ The Robustel R3000 is a wireless VPN router (not only) for industrial M2M applications. Due to its versatile functionality, high security as well as its minimal susceptibility this device is perfectly suitable for all kind of applications.

■ These wireless VPN routers connect in all available radio modes, from GPRS to LTE for location-independent ethernet or internet communication.

■ The Robustel R3000 routers provide more efficiency and data security, whether controlling machines or monitoring production areas. It is possible to transmit controlcommands, level indicators or video signals.

Get in Touch

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Features

- ◆ Dual SIM -> Redundancy for higher availability
- ◆ 1 RS232, 1 RS485, 2 DI, 2 DO, 1 USB host
- ◆ 2 Ethernet ports: 2 LANs or 1WAN / 1LAN
- ◆ Transparent TCP and UDP communication
- ◆ Virtual COM support (COM-Port forwarding)
- ◆ Modbus / RTU to Modbus / TCP protocol
- ◆ Remote configuration via SMS
- ◆ Serial interface RS232, RS485 optional
- ◆ Firmware download via web interface
- ◆ Online management, CLI, SNMP. Modbus/RTU to Modbus/TCP gateway

Technical Data

- ◆ Network protocols: PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, DMZ, RIP, OSPF, DDNS, VRRP, HTTP, HTTPs
- ◆ VPN Tunnel: IPSec/OpenVPN/PPTP/L2TP Client/Server, GRE
- ◆ Online management, CLI, SNMP. Modbus/RTU to Modbus/TCP gateway
- ◆ Auto Reboot at parameterized (previously determined) hours
- ◆ Temperature range : -25°C to +65°C
- ◆ Operating voltage: 9...60 VDC
- ◆ Immunity to interference
EN 61000-4-2 (ESD) Level 3,
EN 61000-4-3 (RS) Level 4,
EN 61000-4-4 (EFT) Level 4,
EN 61000-4-5 (Surge) Level 4,
EN 61000-4-6 (CS) Level 4,
EN 61000-4-8, EN 61000-4-12

Add-Ons

- ◆ Several antennas
- ◆ AC adapter or power supply for DIN rail
- ◆ mounting kit for wall or DIN rail

ROBUSTEL R3000

Industrial cellular modem for M2M applications

M2M solutions

Mobile end devices, which are connected to the network, can normally not be reached over the internet. We give you a simple solution, tailored and individualized on our customer's needs. You get direct access to your applications via a (secure) VPN Connection, using our infrastructure.

Communicate at your discretion with your applications and machines, as if you were right there.

In simple application cases a setup of a VPN-connection is not required. Simply reach your devices via your personal area on the M2M web portal.

WIKON offers optional individual hardware to access your devices and machines.

Cost transparency

More and more companies focus on telemetric applications to reach machinery and installations via the cellular network. With the WIKON M2M-Portal you can comfortably monitor your mobile devices domestically and abroad, in real-time.

- Threshold definition for foreign and domestic profiles.
- Setup usergroups and volume profiles.
- Consumption overview of the respective data cards.

Your advantages

- A source for hardware, SIM Card and communication platform.
- Simple on-site installation of WIKON-devices.
- Contact for hardware, connectivity and support.
- Calculation of the optimal rate.
- SIM-card at attractive conditions and even in small amounts.
- Conventional plastic SIM or SIM-Chip available.
- Special M2M-rates (national and global)



Remoteservice

Control, monitoring, troubleshooting, service and data transmission of machines and sensors.



Localization

Real-time transmission of position data, identification and alarm on exit of exclusion zones.



eEnergy

Solutions for heating systems, smart grid, wind and photovoltaic systems.



Hardware

individual M2M hardware solutions, complete system with hardware and SIM card.



eLogistics:

3G real-time transmission of tank contents, route optimization, reservoir management with quick access via the app.



eMobility:

Charging stations management with parking reservation and billing, traffic monitoring

Your have questions regarding our M2M-solutions?

M2M Solution Manager

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