

Robustel R3000 Lite Get Quote

PRODUCT DATASHEET

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R3000 Lite robust

Industrial Dual SIM Cellular VPN Router 1 Eth + 1 RS-232 + 1 RS-485 + 1 USB Host

INTRODUCTION

The Robustel Industrial Dual SIM Cellular VPN Router (R3000 Lite) is a rugged cellular router offering state-of-the-art mobile connectivity for machine to machine (M2M) applications.

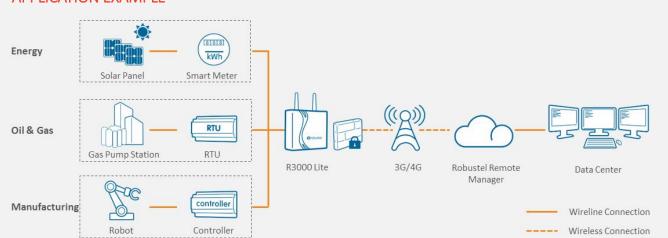
R3000 Lite is a powerful router developed from **RobustOS**, a Robustel self-developed and Linux-based operating system which is designed to be used in Robustel devices. The RobustOS includes basic networking features and protocols providing customers with a very good user experience. Meanwhile, Robustel offers a **Software Development Kit** (SDK) for partners and customers to allow additional customization by using C, Python or Java. It also provides rich **Apps** to meet fragmented IoT market demands.

Robustel is a leading global industrial IoT/M2M hardware and solution provider. Since its establishment in 2010 in Guangzhou, China, Robustel has been focusing on designing and manufacturing industrial cellular routers, gateways, modems, cloud platforms and E2E solutions. In order to support global business in more than 100+ countries and regions, Robustel has set up local offices in Germany, Australia, the Netherlands, Japan and Hong Kong.

KEY FEATURES

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- Dual SIM redundancy for persistent 2G/3G/4G cellular network connections
- RobustOS + SDK + App
- IPsec/OpenVPN/GRE/L2TP/PPTP/ DMVPN
- Management and maintenance via Web/CLI/SMS/SNMP/ RobustLink Cloud
- Robust industrial design (9 to 36V DC, desktop or wall mounting or DIN rail mounting)



APPLICATION EXAMPLE



SPECIFICATIONS

Cellular Interface

Number of antennas Connector SIM Standards

2 (MAIN + AUX) SMA, female 2 (3 V & 1.8 V)

Ethernet Interface

Number of ports Magnet isolation

Serial Interface

Number of ports Connector ESD protection Baud rate

Others

Reset button Expansion LED indicators Built-in

GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/

1 x 10/100 Mbps LAN port 1.5 KV

1 x RS-232 + 1 x RS-485 DB9, female ±15 KV 300 bps to 230400 bps

1 x RST
1 x USB 2.0 host up to 480 Mbps
1 x RUN, 1 x PPP, 1 x USR, 3 x RSSI
RTC, Watchdog, Timer

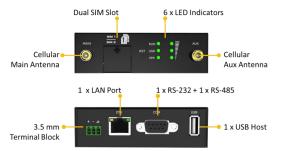
Software (Basic features of RobustOS)

Network protocols	PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP,
VPN tunnel	IPsec, OpenVPN, GRE
Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/
Management	Web, CLI, SMS
Serial port	Transparent, TCP Client/Server, UDP,

App Center (Available Apps for RobustOS)

L2TP, PPTP, DMVPN, RobustVPN, VRRP, QoS, Apps *Request on demand. For more Apps please visit www.robustel.com.

sumption				
3.5 mm terminal block				
9 to 36V DC				
Idle: 100 mA@12 V				
Physical Characteristics				
IP30				
Metal, 305 g				
105 x 98 x 29.5 mm				
Desktop or wall mounting or 35 mm DIN rail				
CE, FCC, PTCRB, RCM, IMDA, EAC				
Telefonica, AT&T				
IEC 61000-4-12(Electromagnetic Compatibility				
 Oscillatory Waves Immunity Test) 				
IEC 61000-4-18(Electromagnetic compatibility				
 Damped Oscillatory Wave Immunity Test) 				
RoHS, WEEE				
EN 55032: 2012/AC: 2013 (CE & RE) Class B				
IEC 61000-4-2 (ESD) Contact Level 2; Air Level 3				
IEC 61000-4-3 (RS) Level 2				
IEC 61000-4-4 (EFT) Level 2				



IEC 61000-4-5 (Surge) Level 3 IEC 61000-4-6 (CS) Level 2

ORDERING INFORMATION

Model	R3000-L3H	R3000-L3P	R3000-L4L
Router Type	HSDPA router	HSPA+ router	LTE router
Antenna Number	1	2	2
Air Interface	GSM/GPRS/EDGE/HSDPA	GSM/GPRS/EDGE/HSDPA/HSUPA/	GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/
		HSPA+	HSPA+/DC-HSPA+/TD-SCDMA/
			CDMA (CDMA 1X/EVDO)/FDD LTE/TDD LTE
Frequency Bands		-	AU: B1/B3/B5/B7/B8/B28, B40
4G			EU: B1/B3/B7/B8/B20/B28/B31, B38/B40
			US: B2/B4/B5/B13/B17/B25, B41
			JP: B1/B3/B8/B9/B18/B19/B21/B28, B41
			CN: B1/B3, B38/B39/B40/B41
3G	B1/B8	B1/B2/B4(AWS)/B5/B8/B19	WCDMA/HSDPA/HSUPA/HSPA+/DC-HSPA+:
			B1/B2/B5/B6/B8/B9/B19
			TD-SCDMA: B34/B39
			CDMA (CDMA 1X/EVDO): R0/A BC0/BC1/BC10
2G	850/900/1800/1900 MHz	850/900/1800/1900 MHz	850/900/1800/1900 MHz
Operating Environment	-40 to +75 °C/5 to 95% RH	-40 to +75 °C/5 to 95% RH	-40 to +75 °C/5 to 95% RH

*For more information about 4G frequency bands in different countries, please contact your Robustel sales representative.

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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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