

Robustel R2000 Get Quote



R2000 robust

Industrial Dual SIM Cellular VPN Router 2 Eth + 2 SIM



INTRODUCTION

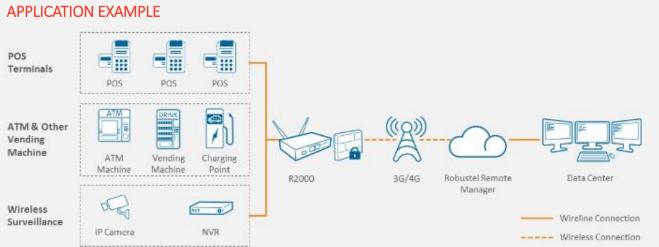
The Robustel Industrial Dual SIM Cellular VPN Router (R2000) is a rugged cellular router offering state-of-the-art mobile connectivity for machine to machine (M2M) applications.

R2000 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, the UK, Japan and Hong Kong.

KEY FEATURES

- Dual-SIM redundancy for continuous 2G/3G/4G cellular network connections
- > The feature Link Manager supporting Cellular WAN, Ethernet WAN, WLAN WAN link backup and ICMP detection
- > WAN – Static/PPPoE/DHCP Client
- > WAN port supporting PD feature compatible with 802.3at. (optional)
- RobustOS + SDK + App
- > IPsec/OpenVPN/GRE/L2TP/PPTP/ DMVPN
- > Management and maintenance via Web/CLI/SMS/RobustLink Cloud
- Auto reboot via SMS/Timing
- > Robust industrial design (9 to 36V DC, desktop or wall mounting or DIN rail mounting)



CERTIFICATIONS

CE, EAC, RCM



SPECIFICATIONS

Cellular Interface Number of antennas Connector	2 (MAIN + AUX) SMA female	FirewallDMZ, anti-DoS, Filtering (IP/Domain name/ManagementWeb, CLI, SMSSerial portTransparent, TCP Client/Server, UDP,		
SIM	2 (3 V & 1.8 V)	App Center (Available Apps for RobustOS)		
Ethernet Interface		Apps* L2TP, PPTP, DMVPN, RobustVPN, VRRP, QoS,		
Number of ports	2 x 10/100 Mbps, 2 x LAN or 1 x LAN + 1 x WAN	*Request on demand. For more Apps please visit www.robustel.com.		
WAN port	Supporting 802.3 at PD feature (optional)	Device Supply and Consumption		
Magnet isolation	1.5 KV	Power Supply and Consumption		
WiFi Interface (Optio		Connector 3-pin 3.5 mm female socket		
Number of antennas	2 (WiFi1 + WiFi2)	Input voltage 9 to 36V DC Power consumption Idle: 100 mA@12 V		
Connector	2 (WIFIL + WIFIZ) RP-SMA male			
Standards		PD feature* (optional) WAN port supported		
	802.11b/g/n, supporting AP and Client modes 2.4 GHz	*It is not recommended to use DC power supply and PD power supply		
Frequency bands	WEP, WPA, WPA2	Dhusical Characteristics		
Security	64/128 AES, TKIP	Physical Characteristics		
Encryption	2*2 MIMO, 300 Mbps	Ingress protection IP30		
Data speed	802.11b 19 dBm	Housing & Weight Metal, 305 g Dimensions 127.5 x 82.5 x 29.5 mm		
RF output power	802.11b 19 dBm			
Receiving sensitivity	802.110 -93 dBm	Installations Desktop, wall mounting and 35 mm DIN rail		
Others		Regulatory and Type Approvals		
Reset button	1 x RST	Regulatory: RCM, CE, CCC, EAC, FCC, PTCRB		
LED indicators	1 x RUN, 1 x PPP, 1 x USR, 3 x RSSI	Application E-mark (Vehicle)		
Built-in	Watchdog, Timer	Environmental: RoHS, WEEE		
Software (Pasis feature	rac of PoburtOS)	EMI EN 55032: 2012/AC: 2013 (CE & RE) Class A		
Software (Basic features of RobustOS) Network protocols PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP,		EMS IEC 61000-4-2 (ESD) Contact Level 2; Air Leve		
VPN tunnel	IPsec, OpenVPN, GRE	IEC 61000-4-4 (EFT) Level 2		
	,	IEC 61000-4-5 (Surge) Level 3		

ORDERING INFORMATION

Model	R2000-3P	R2000-4L	R2000-4M	R2000-NU
Router Type	HSPA+ Router	LTE Router	LTE-M Router	
Air Interface	GSM/GPRS/EDGE/HSDPA/H SUPA/HSPA+	GSM/GPRS/EDGE/WCDMA/HSDP A/HSUPA/HSPA+/DC-HSPA+/ TD-SCDMA/CDMA (CDMA 1X/EVDO)/FDD LTE/TDD LTE/	EGPRS/Cat.M1/Cat.NB1	
Frequency Bands 4G*		AU: B1/B3/B5/B7/B8/B28, B40 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	LTE Cat.M1/Cat.NB1:B1/B2/B3/B4/B5/ B8/B12/B13/B18/B19/B20/B26/B2 8/B39(for TDD)	
3G	B1/B2/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	EGPRS:850/900/1800/1900MHz	
Operating Environment	-25 to +70 °C/5 to 95% RH	-25 to +70 °C/5 to 95% RH	-25 to +70 °C/5 to 95% RH	-25 to +70 °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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