

R2000 Dual

Industrial Dual Module Cellular VPN Router with Power over Ethernet

INTRODUCTION

Robustel's R2000 Dual Industrial Dual Module Cellular VPN Router with Power over Ethernet provides fast and reliable communication for monitoring and controlling remote equipment. The added new feature, Power over Ethernet, makes installing or expanding much simpler and cheaper for both power and data transmission.

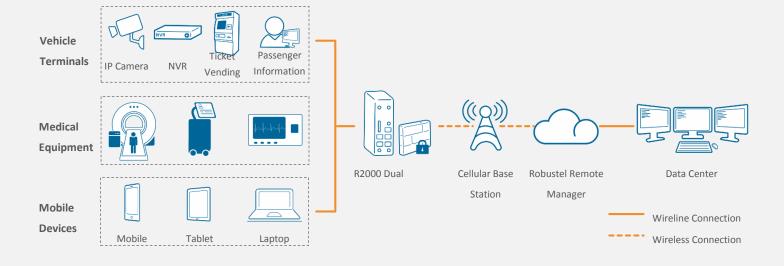
The R2000 Dual router adds the Power over Ethernet (POE) function, which can provide DC power to such devices while transmitting data signals to some IP-based terminal devices. Not only save network construction costs, reduce manpower and material resources, but also facilitate installation and management.

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. The main application areas of the R2000 Dual router are: ATMs, vending machines, telephone booths and other terminals; branches, convenience stores, fast food restaurants, digital signage, IP video surveillance, etc.

APPLICATION EXAMPLE

KEY FEATURES

- Embedded dual module supports two SIM cards online simultaneously
- Four fast Ethernet LAN port supporting Power over Ethernet (12.95 W of POE/30 W of POE+ shared across the four LAN ports)
- The feature Link Manager supports Cellular WAN, WLAN link backup and ICMP detection
- WAN Static/PPPoE/DHCP Client
- Wi-Fi supports AP mode and Client mode
- VPN tunnel IPsec/OpenVPN/GRE/ L2TP/PPTP/DMVPN
- Auto reboot via SMS/Timing
- Supports RobustLink (a centralized M2M management platform for remote monitoring, configuration and firmware upgrade)
- Management and maintenance via Web user interface/CLI/SMS/RobustLink Cloud
- Supports various APP like QoS, DDNS, VRRP, Captive Portal, SNMP, WLAN multi, multi-language
- Robust industrial design (desktop or wall mounting or DIN rail mounting)



SPECIFICATIONS

Interface

Cellular Interface Standards	GSM/GPRS/EDGE/UMTS/WCDMA/HSPA/ HSDPA/HSUPA/HSPA+/DC-HSPA+/LTE max. 150/50 Mbps (DL/UL) @20M BW cat4 max. 100/50 Mbps (DL/UL) 42/5.76 Mbps (DL/UL) max. 21.6/5.76 Mbps (DL/UL) 384/384 kbps (DL/UL) 236.8 kbps (DL/UL) 85.6 kbps (DL/UL) 2 (3 V & 1.8 V)	System 1 x Reset button LED indicators	1 x RUN, 2 x PPP, 1 x USR, 2 x NET, 6 x RSSI
FDD LTE TDD LTE DC-HSPA+ HSPA+ WCDMA EDGE GPRS SIM		Software (Basic feature Network protocols VPN tunnel Firewall Management	es of RobustOS) PPP, TCP, UDP, DHCP, ICMP, NAT, DMZ, DDNS, VRRP, HTTP, HTTPs, DNS, ARP, SNTP, SSH, Telnet, SNMP, AAA etc. IPsec/OpenVPN/GRE/L2TP/PPTP/DMVPN SPI, anti-DoS, Filter, Access Control Web, CLI, SMS
Connector Ethernet Interface Number of ports Magnet isolation protection	SMA-k (2 x MAIN + 2 x AUX) 1 x WAN and 4 x LAN (10/100 Mbps) 1.5 KV	Power Supply and C Connector Input voltage Power consumption With ground screw	Consumption 3.5 mm terminal socket 9 to 57V DC Idle: 100 mA@12 V Data link: 800 mA (peak) @12 V
WLAN Interface Standards Data speed Frequency bands Security Encryption Connector	802.11b/g/n, supports AP and Client modes 150 Mbps 2.4 GHz WEP, WPA, WPA2 64/128 AES, TKIP RP-SMA-K	Physical Characteris Housing & Weight Dimensions Installations	tics Metal, 750 g 145 x 130 x 46 mm Desktop, wall mounting and 35 mm DIN rail mounting
Connector Device Interface POE (4 x LAN) Voltage Range Digital Input (DI)	Four ports power supply output IEEE802.3 at/af standard compatibility Maximum power output up to 30 W per port Power management function 48 to 57V DC When router is used in in-vehicle networks, DI function makes router enter a state of low	Approvals Regulatory Environmental EMI EMS	RCM, CE, EAC, RoHS2.0, WEEE EN 55032: 2015/AC: 2016 (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
	power consumption which can avoid the battery excessive consumption of the vehicle		

ORDERING INFORMATION

Model	R2000-D3P1	R2000-D3P2	R2000-D4L1	R2000-D4L2
Router Type	HSPA+ Router	HSPA+ Router	LTE Router	LTE Router
Air Interface	GSM/GPRS/EDGE/HS	GSM/GPRS/EDGE/H	GSM/GPRS/EDGE/WCDMA/HSDPA/HSUPA/	GSM/GPRS/EDGE/WCDMA/HSDPA/
	DPA/HSUPA/	SDPA/HSUPA/	HSPA+/DC-HSPA+/TD-SCDMA/CDMA (CDMA	HSUPA/HSPA+/DC-HSPA+/TD-SCDMA/
	HSPA+	HAPA+	1X/EVDO)/FDD LTE/TDD LTE	CDMA (CDMA 1X/EVDO)/FDD LTE/TDD LTE
Frequency Bands			EMEA:B1/B3/B5/B7/B8/B20; B38/B40/B41	EMEA:B1/B3/B5/B7/B8/B20; B38/B40/B41
4G*			AU: B1/B2/B3/B4/B5/B7/B8/B28; B40	AU: B1/B2/B3/B4/B5/B7/B8/B28; B40
3G	B1/B2/B4(AWS)/B5/	B1/B2/B4(AWS)/B5/	EMEA:B1/B5/B8	EMEA:B1/B5/B8
	B8/B19	B8/B19	AU: B1/B2/B5/B8	AU: B1/B2/B5/B8
2G	B2/B3/B5/B8	B2/B3/B5/B8	EMEA: B3/B8	EMEA: B3/B8
			AU: B2/B3/B5/B8	AU: B2/B3/B5/B8
Operating Temperature	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C	-25 to +70 °C
Storage Temperature	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Relative Humidity	5 to 95% RH	5 to 95% RH	5 to 95% RH	5 to 95% RH

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

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Tempel Group en el mundo

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