

R1510 robustos

Industrial Cellular VPN Router 2 Ethernet + 1 DI + 1 DO

INTRODUCTION

Robustel's R1510 router is a Dual Ethernet port (LAN + WAN) 3G/4G router with advanced software functions at a very competitive price point. The R1510 has many unique software innovations including, but not limited to:

RobustVPN – innovative use of OpenVPN tunneling to provide a fixed IP address on ANY SIM Card.

RCMS – Robustel's Cloud management platform – essential for managing an estate of routers - Basic version FREE.

Data Guard – critical 'failsafe' that stops unexpected data overusage within seconds of a threshold being breached.

Smart Reboot – essential backup solution for when your roaming SIM card doesn't roam!

At the heart of all of Robustel's routers is the "RobustOS" operating System. With 5 years of maturity and innovative features, RobustOS offers customers a very professional product with an easy to navigate Graphical User Interface and the connection stability required by critical IoT applications. The router occupies a very small footprint which is useful for space-constrained applications such as bus signs, ticketing machines, vending machines, covert surveillance & digital signage applications.

RCMS is Robustel's free router monitoring service that is fully compatible with the R1510. It allows customer to see a location overview of their routers quickly and simply on a map. Features such as data usage, signal strength, current network and much more can then be viewed on a per router basis. Over-the-air updates are supported for Firmware, router configuration and Apps serving as essential 'insurance' if anything was not quite right during deployment. You can try Robustel's free router management platform by signing up here: https://rcms-cloud.robustel.net

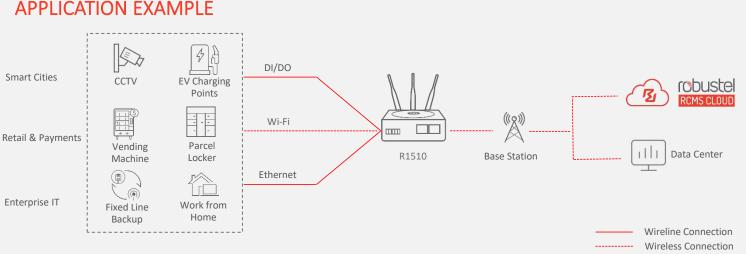


APPLICATION EXAMPLE



KEY FEATURES

- Highly stable 2G/3G/4G cellular connections
- Ethernet, Wi-Fi and 4G internet connection options with auto-failover
- Free cloud management platform - RCMS
- Fully programmable Linux environment with excellent SDK Documentation
- 'Smart Reboot' for enhanced roaming SIM management
- RobustVPN provides fixed IP address on ANY SIM card
- Full SMS control for diagnosis and recovery from data network problems
- Very small footprint for space-constrained applications
- Wall-mount and DIN-rail mounting options available



SPECIFICATIONS

Cellular Interface		App Center (Available Ap	ops for RobustOS)	
Number of antennas	2 External antennas (MAIN + AUX)	Apps*	L2TP, PPTP, DMVPN, VRRP, QoS, Captive Porta	
Connector	SMA-K		WLAN Multi AP, SNMP, Language, RCMS	
SIM	1 Mini SIM (2 FF)	*Request on demand. For m	nore Apps please visit www.robustel.com.	
Ethernet Interface		SDK		
Number of ports Magnet isolation	2 x 10/100 Mbps, 2 x LAN or 1 x LAN + 1 x WAN	Supported programming language	C, C++	
protection	1.5 KV	Flash available for SDK	4 MB	
		RAM available for SDK	64 MB	
Wi-Fi Interface	2 (1 x External antenna, 1 x PCB antenna)	Power Supply and Consumption		
Number of antennas		Connector	2-pin 3.5 mm female socket	
Connector	RP-SMA-K (External antenna)	Input voltage	9 ~ 36 VDC	
Standards	802.11 b/g/n, supports AP and Client modes	Power consumption	Idle: 100 mA@12 V	
Frequency bands	2.4 GHz		Data link: 500 mA (peak) @12 V	
Security	WEP, WPA, WPA2	Physical Characteristics		
Encryption	64/128 AES, TKIP	Ingress protection	IP30	
Data speed	2 x 2 MIMO, 300 Mbps	Housing & Weight	Plastic, 150 g	
DI/DO		UL 94	V-0, 5 VB	
Туре	1 x DI (wet contact) + 1 x DO (wet contact)	Dimensions	91.5 x 91.5 x 30.8mm	
Connector	3-pin 3.5 mm female socket	Installations	Desktop, wall mounting and 35 mm DIN rail	
Absolute maximum VDC	30 VDC (DI/DO)	installations	mounting	
Absolute maximum ADC	20 mA	Operating temperature	-25 ~ +70 °C	
Others		Storage temperature	-40 ~ +85 °C	
Reset button	1 x RST	Relative humidity	5 ~ 95% RH	
LED indicators	1 x RUN, 1 x MDM, 1 x USR, 1 x RSSI, 1 x Wi-Fi	Regulatory and Type /		
Built-in	Watchdog, Timer		••	
Software (Basic features)	C.	Environmental:	RoHS2.0, WEEE	
Network protocols	PPPOE, DHCP , NAT, DNS, NTP, SMTP, Telnet,	EMI	EN 55032: 2012/AC: 2013 (CE & RE) Class A	
Network protocols	VLAN, SSH2, DDNS, etc.	EMS	IEC 61000-4-2 (ESD) Contact Level 2	
VPN tunnel	IPSec, OpenVPN, GRE		IEC 61000-4-3 (RS) Level 2	
Firewall	DMZ, anti-DoS, Filtering (IP/Domain name/		IEC 61000-4-4 (EFT) Level 2	
	MAC address), Port Mapping, Access Control		IEC 61000-4-5 (Surge) Level 2	
	in to data cool, i or mapping, Access control		IEC 61000-4-6 (CS) Level 2	

ORDERING INFORMATION

Model	PN	Category	Frequency Bands	Country/Region	Certifications (*In progress)
R1510-4L	B048701	Cat 4	4G: LTE FDD: B1/B3/B7/B8/B20/B28A 3G: WCDMA: B1/B8 2G: GSM: B3/B8	EMEA	CE, ICASA, TRA
	B048703	Cat 4	 4G: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B28 LTE TDD: B40 3G: WCDMA: B1/B2/B5/B8 2G: GSM: B2/B3/B5/B8 	South America Oceania	CRC, URSEC, RCM
	B048704	Cat 4	 4G: LTE FDD: B1/B3/B8/B18/B19/B26 LTE TDD: B41 3G: WCDMA: B1/B6/B8/B19 	Japan	Telec, JATE

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

