

R2011 robust

Industrial Cellular Router 5 x Eth + 2 x SIM

INTRODUCTION

The Robustel R2011 Industrial Cellular Router is a rugged, versatile 4G router with 5 Ethernet ports, dual SIM single standby capability and a range of advanced functions for mission critical IoT or M2M applications.

The R2011 runs on Robustel's own Linux based Operating System, RobustOS. Developed entirely in-house, this gives way to a very high standard of technical support and high reliability. Robustel offers a **Software Development Kit** (SDK) to allow additional customization by using C, C++. It also provides rich **Apps** to meet fragmented IoT market demands such as:

RobustVPN - Highly flexible hosted VPN service so customers can easily enjoy a "fixed IP router"

Data-Guard - Invaluable failsafe in case of a system failure and runaway data usage **Smart Reboot** - SMS tool to push roaming SIMs from a non-working to working state

Smart Roaming - Provides you with device-assisted intelligent network selection for roaming SIMs to improve performance and reduce risk.

RCMS is Robustel's free router monitoring service that is fully compatible with the R2011. 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.

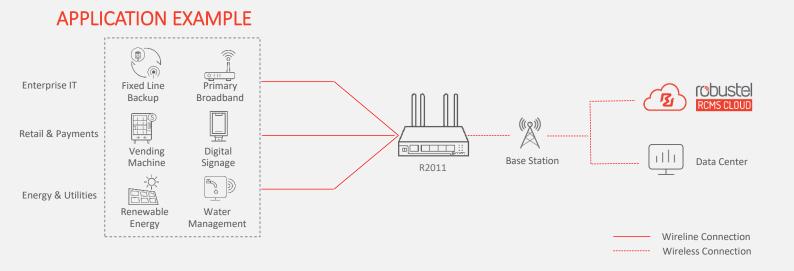
You can try Robustel's free router management platform by signing up here: <u>https://rcms-cloud.robustel.net</u>





KEY FEATURES

- Dual-SIM redundancy for continuous cellular network connections
- Link Manager supports Cellular WAN, Ethernet WAN, WLAN WAN link backup and ICMP detection
- WAN Static/DHCP Client
- RobustOS + SDK + Apps
- IPSec/OpenVPN/GRE/Wireguard VPN capabilities
- Management and maintenance via Web/RCMS Cloud
- Auto reboot via SMS/time schedule
- Robust industrial design (9 ~ 36 V DC, desktop or wall mounting or DIN rail mounting)



SPECIFICATIONS

Cellular Interface Number of antennas Connector SIM	2 (MAIN + AUX) or 1 (MAIN) SMA-K 2 x Mini SIM (2FF)	SDK Supported programming language Flash available for SDK	C, C++ 16 MB
Ethernet Interface Number of ports WAN port Magnet isolation protection Wi-Fi Interface Number of antennas Connector Standards Frequency bands Security Encryption	5 x 10/100 Mbps, 5 x LAN or 4 x LAN + 1 x WAN Supports 802.3at PD feature (optional) 1.5 KV 2 (Wi-Fi1 + Wi-Fi2) RP-SMA-K 802.11 b/g/n, supporting AP and Client modes 2.4 GHz WEP, WPA, WPA2 64/128 AES, TKIP	RAM available for SDK App Center (Available Apps* *Request on demand. For m Power Supply and Co Connector Input voltage Power consumption Physical Characteristic	L2TP, PPTP, DMVPN , VRRP, QoS, Captive Portal, WLAN Multi AP, SNMP, Language, RCMS nore Apps please visit www.robustel.com. nsumption 2-pin 3.5 mm female 9 ~ 36 V DC Idle: 70 mA@12 V Data link: 660 mA (peak)@12 V
Data speed Others Reset button LED indicators Built-in Software (Basic features of Network protocols	2 x 2 MIMO, 300 Mbps 1 x RST 1 x RUN, 1 x MDM, 1 x Wi-Fi, 3 x RSSI Watchdog, Timer RobustOS) PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP, HTTPs, DNS, ARP, BGP, RIP, OSPF, NTP, SMTP,	Ingress protection Housing & Weight Dimensions Installations Operating temperature Storage temperature Relative humidity	IP30 Metal, 350g 127 x 82 x 30 mm Desktop, wall mounting and 35 mm DIN rail mounting -35 ~ +75°C -40 ~ +85°C 5% ~ 95%
VPN tunnel Firewall Remote management	Telnet, VLAN, SSH2, DDNS, etc IPsec, OpenVPN, GRE, WireGuard DMZ, anti-DoS, Filtering (IP/Domain name/ MAC address), Port Mapping, Access Control Web, CLI, SMS	Regulatory and Type A Environmental EMI EMS	

IEC 61000-4-5 (Surge) Level 2 IEC 61000-4-6 (CS) Level 2 IEC 61000-4-11 (DIP)

ORDERING INFORMATION

(Standard Model)

Model	PN	LTE Category	Frequency Bands*	Country/Region	Certification (*In progress)
R2011-A-4L-A23CN	B070710	Cat 4	4G : LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 3G : WCDMA: B1/B5/B8 2G : GSM: B3/B8	China, India	CCC*
R2011-A-4L-A12EU	B070712	Cat 4	4G : LTE FDD: B1/B3/B7/B8/B20/B28A LTE TDD: B38/B40/B41 3G : WCDMA: B1/B8 2G : GSM: B3/B8	EMEA	CE, UKCA
R2011-A-4L-A03AU	B070702	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	RCM

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

ORDERING INFORMATION (With PoE-PD Model)

Model	PN	LTE Category	Frequency Bands*	Country/Region	Certification (*In progress)
R2011-B-4L-A23CN	B070711	Cat 4	4G : LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 3G : WCDMA: B1/B5/B8 2G : GSM: B3/B8	China, India	CCC*
R2011-B-4L-A12EU	B070713	Cat 4	4G : LTE FDD: B1/B3/B7/B8/B20/B28A LTE TDD: B38/B40/B41 3G : WCDMA: B1/B8 2G : GSM: B3/B8	EMEA	CE, UKCA
R2011-B-4L-A03AU	B070706	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	RCM

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Note: Due to short supply of PoE-PD models, please confirm the lead time with your sales manager.



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