



R1500 robustos

Industrial Cellular IoT Gateway 1 Eth + 2 RS-232



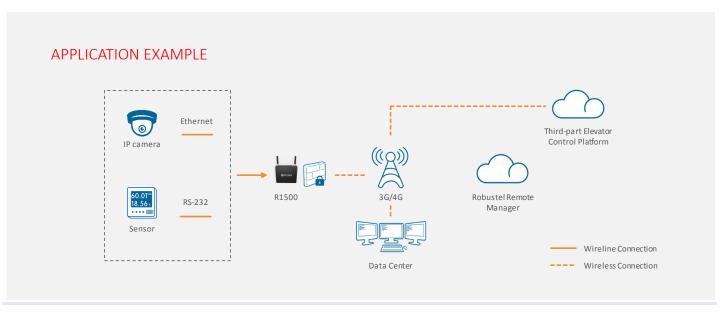
INTRODUCTION

R1500 industrial cellular IoT gateway supports GSM/GPRS/EDGE 2G network, WCDMA and other 3G networks, HSPA+ 3.5 G and LTE 4G network. It provides high speed wireless network bandwidth for device by wireless connection, and with dual-SIM backup to ensure the stable connection of wireless network

R1500 is a powerful gateway 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.

KEY FEATURES

- > RobustOS + SDK + App
- > IPsec/OpenVPN/GRE/L2TP/PPTP/DMVPN and various VPNs
- > Supporting double cards link backup and ICMP detection
- > Supporting SMS, Email, SNMP Trap and RobustLink
- event alarms
- Supporting Modbus RTU to TCP、Modbus Master
- > Supporting TCP client/server, UDP and virtual serial ports
- Supporting IP Pass-through
- DHCP server
- Supporting RobustVPN cloud platform, providing easy and safe remote access for PLC and other industrial devices
- Supporting RobustLink M2M centralized management platform, real time monitoring device network status and counting device flow
- Supporting Web、CLI、USB、SMS and RobustLink to upgrade firmware
- Powerful industrial design (9~36V DC input voltage, supporting desktop placement, wall mount or rail mount)





SPECIFICATIONS

Cellular Interface

Number of antennas 2 (MAIN + AUX)

Connector SMA female

SIM 2 (3 V & 1.8 V)

Standard GSM/WCDMA/FDD LTE/TDD LTE

Ethernet Interface

Number of ports 1 x 10/100 Mbps

Serial Interface

Number of ports 2 x RS-232

Connector DB9

Signal TxD, RxD, GND, CTS, RTS, DSR, DTR

Baud rate 300bps to 115200bps

Others

LED indicators 1 x RUN, 1 x MDM, 1 x USR, 3 x RSSI

Network indicator (link + rate)

Built-in RTC, Watchdog, Timer

App Center (Available Apps for RobustOS)

Apps* Language, RobustLink

*Request on demand. For more Apps please visit www.robustel.com.

Software (Basic features of RobustOS)

Network protocols PPP, PPPoE, TCP, UDP, DHCP, ICMP, NAT, HTTP,

HTTPs, DNS, ARP, NTP, SMTP, Telnet, SSH2,

DDNS, etc.

VPN tunnel IPsec, OpenVPN, GRE

Management Web, CLI, SMS

Serial port Transparent, TCP Client/Server, UDP,

Modbus RTU Gateway

Power Supply and Consumption

 Connector
 2-pin 3.5 mm

 Input voltage
 9 to 36V DC

 Power consumption
 Idle: 80 mA@12 V

Data link: 450 mA (peak) @12 V

Physical Characteristics

Ingress protection IP30

Housing & Wight Plastic, 300 g

Dimensions 118 x 97.5 x 28.5 mm

Installations Desktop, wall mounting and DIN rail mounting

Certifications

CE, WEEE, RoHS

ORDERING INFORMATION

Model	R1500-4L
Туре	LTE Gateway
Air Interface	GSM/WCDMA/FDD LTE/TDD LTE
Frequency Bands	EU: FDD LTE: B1/B3/B5/B7/B8/B20
4G*	TDD LTE: B38/B40/B41
3G	WCDMA:B1/B5/B8
2G	GSM: 900/1800MHz
Operating	-40 to +75 °C
Environment	5 to 95% RH

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





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.

US

sales@assured-systems.com

Sales: +1 347 719 4508 Support: +1 347 719 4508

1309 Coffeen Ave Ste 1200 Sheridan WY 82801 USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050 Support: +44 (0)1785 879 050

Unit A5 Douglas Park Stone Business Park Stone ST15 0YJ United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660