

■ Product Introduction

2.5G-3G mobile communication technology has become widely used of industrials and utilities in recent years and many customers are seeking reliable, flexible and cost-effective data channel to build their information system. Many applications such as ATM, POS, SCADA and surveillance system will require data channels covered all country; this brings a bright future for mobile data networks applications. Requirements towards information system are varied because of different features of numerous industrial applications. Mobile telecom service providers are required to provide industrial application solutions not only meeting common specifications and also individual special ones.



Ethernet is migrating from traditional IT equipment and being adopted as a standard interface for many types of machines, however challenges arise at customers sites where the LAN infrastructure is outside your control.

The wireless router is easy to install, reducing the reliance on the end customer and enables direct access to your remote LAN devices for control and monitoring purposes.

It enables companies to remotely access equipment at mobile, remote networks and isolated sites.

It offers wireless network routing optimized for machines, small networks and specialised Fixed IP services now available from wireless operators. It offers low cost router operation through Dial-out, Dial-in and Always Connected modes of operation.

It also supports VPN function for the high security transmission.

■ Application

- Remote Data Monitor and Control
- Water, gas and oil flow metering
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals
- Traffic signals monitor and control
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Traffic info guidance
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

■ Benefits and Features

- Embedded Linux OS .X86, NP architecture
- Multi- cellular tunnel binding, extend the cellular bandwidth
- Bonds multiple broadband and mobile connections to achieve bandwidth multiplication and back up
- Comprehensive security certification method fully ensures system security Recovers automatically from a broken connection
- Sets up VPN tunnel individually to inspect status and distribute bandwidth; highly secured and flexible
- Encrypts all communication processes through DNS, ensuring security and reliability of the system operation
- Easy To Use and Flexible Intelligent Router
- Strategically protects the application server from exposure in the public network using DMZ
- Shields the internal network through transparent Proxy and NAT
- Real-time monitors and reports upon detecting network attacks and emergencies to minimize loss
- Controls and defines each user's access right and scope, protecting business confidential information
- Guarantees QoS for different service grade
- Prevents packet loss using advance technology, ensuring error-free data transfer
- Complete Management and Logging Function
- Always-On-Line
- Industrial design with surge protection
- Multi-Priority Flow Management Ensure Network's Reliability

■ Specification

Wireless	
Compatible Mobile Networks	GPRS Class10 Scheme: CS1 - CS4 Accord with SMG31bis technical criterion
Cellular Frequency	GSM phase 2/2+ GSM850MHz/EGSM 900MHz/DCS 1800MHz/PCS 1900MHz
Bandwidth	Downlink :85.6kbps Uplink:21.4kbps
Protocol	
Protocol support	TCP/UDP protocol stack
VPN	IPSec, PPTP

Security	
Advanced Firewall Features	Network Address Translation (NAT) Stateful Packet Inspection (SPI) VPN Pass-through
Media Access Control	CSMA/CA with ACK
Configurations	RADIUS Client
Ports	
Network port	1X 10/100M LAN port (RJ45 interface) 1X 10/100M WAN port (RJ45 interface)
Antenna	50 Ω SMA female interface
Power slot	2.5mm
Led	<ul style="list-style-type: none"> ▪ Power ▪ Run ▪ WAN (Mobile Internet Connection) ▪ LAN (10/100M) ▪ VPN ▪ Link ▪ Act ▪ Cell
UIM/SIM	1.8V/3V
Power	
Power supply	DC5V-25V , typical DC12V2A
Power consumption	Idle: 20mA@12VDC Max: 300mA@12VDC Average:130mA@12VDC
Software	
User interface	WEB interface (Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or other Java-enabled Browsers) SNMP SYSLOG

Minimum System Requirements	<p>Mobile Internet Access Subscription and Internet PC Adapter</p> <p>Computer with:</p> <p>Windows Vista , Windows XP SP2, Windows 2000 SP4, or Mac OS® X (v10.4/v10.3), Linux</p> <p>Internet Explorer 6 or Mozilla Firefox</p>
Physical	
Operating Temperature	<p>Storage temperature: 72°F to 153°F (-30°C to 70°C)</p> <p>Working temperature: 36°F to 126°F (-20°C to 55°C)</p>
Humidity	95% Maximum (Non-condensing)
Dimensions	<p>Item (L x B x H): 133mm x 94mm x 34mm (5.3" x 3.7" x 1.4")</p> <p>Packaging (L x B x H): 260mm x 190mm x 65mm (10.3" x 7.5" x 2.6")</p>
Weight	<p>Item: 800g (1.8lbs)</p> <p>Packaging: 2.0 lbs</p>
Others	
Warranty	1 Year
Package Contents	<p>The R62 Series Cellular Router</p> <p>CAT5 Ethernet Cable</p> <p>DC 12V2A Power Adapter</p> <p>Antenna</p> <p>CD-ROM with Product Documentation</p>

▪ Products models

R621Z110 GPRS VPN Router, 1 WAN, 1 LAN