

■ Product Introduction

Mobile communication technology has become widely used of industrials and utilities in recent years and many customers are seeking reliable, flexible and costeffective 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.

The R4 Series 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 static IP services now available from wireless operators. It offers low cost router operation through Dial-out, Dial-in and Always Connected modes of operation, R4 Series router is a dedicated ideal data transmission channel for industrial applications.



■ 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

Support dual band GPRS network

Support multiple protocol conversion

Transparent data transmission

Ethernet or RS-232 interface

Easy To Use and Flexible Intelligent Router

Realtime clock

WEB/Telnet/console management interface

- Support radio network data envelope counting
- Always-On-Line
- Self-diagnostic and alarm output
- Local/remote profiles backup and retrieve
- Local/remote firmware upgrade
- Urgent event alarm via SMS
- Built-in DHCP server
- Support DMZ host
- Firewall and NAT
- Support packet filtering
- Support data center communication
- Support APN

▪ Specifications

Wireless	
Compatible Mobile Networks	GPRS Class10 Coding scheme: CS1 - CS4 SMG31bis standard
Cellular Frequency	GSM phase 2/2+ GSM 850MHz/EGSM 900MHz/DCS1800MHz/PCS1900MHz
Bandwidth	uplink 42.8Kbps Downlink 85.6kbps
Protocol	
Protocol support	TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PPPoE, DHCP, DDNS, DNS, SNMP
Security	
Security	64/128-bit WEP (Wired Equivalent Privacy)
Media Access Control	CSMA/CA with ACK
Certifications	REDIUS Client
Interface	
Ethernet port	1X 10/100M LAN port (RJ45 interface)
Antenna	50 Ω SMA female interface

Power slot	2.5mm
Led	CELL RUN ONLINE LAN (10/100M)
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	Mobile Internet Access Subscription and Internet PC Adapter Computer with: Windows Vista , Windows XP SP2, Windows 2000 SP4, or Mac OS® X (v10.4/v10.3), Linux Internet Explorer 6 or Mozilla Firefox CD-ROM Drive Network Interface Card
Physical	
Operating Temperature	Storage: -20°C to 70°C Working: -20°C to 55°C
Humidity	90% Maximum (Non-condensing)
Dimensions	Item (L x B x H): 100mm x 60mm x 20mm Packaging (L x B x H): 280mm x 220mm x52mm
Weight	Item: 300g Packaging: 2.0 lbs
Others	

Warranty	1 Year
Package Contents	The R4 Series Cellular Router CAT5 Ethernet Cable DB9-DB15 Series Cable DC 9V1A Power Adapter Antenna CD-ROM with Product Documentation