

▪ Product Introduction

2.5G-3G mobile communication technology has become widely used of industries 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.



The R43 Series CDMA 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.

R43 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, R43 Series CDMA 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 CDMA 1x network
- Support multiple protocol conversion
- Transparent data transmission
- Easy To Use and Flexible Intelligent Router
- 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
- Firewall and NAT
- Support packet filtering
- Support data center communication

▪ Specifications

Wireless	
Cellular Frequency	CDMA 1X 800Mhz CDMA 1X 450Mhz
Speed rate	Downlink 153.6kbps Uplink 153.6kbps
Protocol	
Protocol support	TCP/IP, DHCP,
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 DC9V1A
Power consumption	Idle: 20mA@9VDC Max: 150mA@9VDC Average:30mA@9VDC

Software	
User interface	WEB interface (Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or other Java-enabled Browsers)
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: -40°C to 85°C Working: -20°C to 70°C
Humidity	95% Maximum (Non-condensing)
Dimensions	Item (L x B x H): 100mm x 60mm x 20mm Packaging (L x B x H): 280mm x 220mm x 52mm
Weight	Item: 300g (1.8lbs)
Others	
Warranty	1 Year
Package Contents	The R43 Series Cellular Router CAT5 Ethernet Cable DC 9V1A Power Adapter Antenna CD-ROM with Product Documentation

▪ Products models

R431Z1210	CDMA Router, ZTE MC8331A , 1LAN
R431Z810	CDMA Router, ZTE MG415+, 1LAN