

R211

Wireless WAN Connected Gateway Router by GREENTEL / SATEL USA

Ubiquitous, high speed, wireless, industrial grade Ethernet connection for critical applications

- * 7 Mbps DL / 2.1 Mbps UL
- * Nationwide Access
- * Static IP Address
- * No Monthly Bill

Ruggedized for industry, secured for sensitive data, with real-time nationwide broadband coverage, the feature packed R211 Gateway Router by GREENTEL / SATEL USA unlocks the full power of high speed wireless connectivity to all individuals and enterprises for every application.

Designed for integrity, the R211 combines the intelligent features of an enterprise class gateway router with flexible nationwide mobility and hardened industrial durability to deliver continuous wireless connection to critical remote devices and networks.

Featuring a powerful processor and integrated HSUPA modem; advanced IP, NAT, and PAT routing; VPN, IPsec, and a variety of tunneling protocols; the R211 provides absolute data security and maximizes throughput efficiency to attain speeds of 7 Mbps download and 2.1 Mbps upload.

The only Wireless Gateway Router to arrive activated with its own static IP address, the R211 enables immediate use in advanced systems and instant integration into private networks. Service and account setup are eliminated, configuration is familiar and straightforward, and there is no need for a consultants, master stations, repeaters, path studies, or licensing.

Critical wireless connections in demanding applications, mobile equipment, and remote assets are safely, reliably and securely connected with the R211.

Features:

- Active Network Connection with Static Public IP Address
- "Always On" and "Dial On Demand" Connections
- VRRP Hot Backup Autoswitch to Slave
- No Master/Base Station or Repeater Needed
- Existing Nationwide Infrastructure
- Shared data plans for multiple locations
- VPN Client/Server, Gateway, Router, and Firewall with AES Encryption
- Private M2M Network Separated From Public Internet



Network Connection

Network Access	SATEL USA High Speed Network
IP Address	Static/Public or Dynamic/Private
Connections	Mobile to Mobile, Mobile Terminated, Mobile Originated
Link Types	Always Online, Connect on Demand, and Manual
Dial on Demand	Activated by Call, SMS, & Local data flow
Always Online	PPP, LCP Echo, & ICMP keep alive for link inspection
Dialup Connection	Fixed APN & VPDN

Network Security

VPN	Standard IPSec based VPN service
Tunnel Types	IPSec, GRE, OpenVPN
IPSec Tunnel	Maximum 4 Tunnels
IPSec Tunnel Modes	Auto, Manual, Triggered by Data, & Passive
Encryption	AES, DES & 3DES with MD5 & SHA-1 and Others
Authentication Method	Pre-shared key, digital certificate
PPTP, L2TP, GRE	Client / Server
Firewall Strategy	Stateful Packet Inspection (SPI), filtering multicast, filtering PING packet, preventing DoS attack, different firewall strategies
MAC /IP Address Bundling	Refuse illegal host access
Port Mapping	Allow extranet user to access specific intranet port
Access Control	Flexible access control of TCP, UDP, ICMP packet
Traffic Control	Downlink and Uplink speed control
DMZ	Support virtual servers

Network Features

Routing	Static routing, IP, MAC and / or Port
Multi-Protocol Support	ICPM, IP, TCP, UDP, DHCP, PPP, ARP, Telnet, DNS, SSH, VRRP, HTTP, HTTPS, NTP
Link Inspection	PPP LCP Echo and ICMP keep alive
LAN IP Addressing	Static and / or DHCP
Multi-IP	Up to 9 LAN IP addresses
MAC Addressing	Custom, Default, and Clone
IP & Port Masking	NAT, PAT (IP and Port Address Translation)
DNS & DDNS	Map to Static DNS and Auto Update Dynamic DNS
DNS Relay	Up to 20 IP address/ domain name pairings
Redundancy	VRRP Hot Backup, autoswitch to slave

Configuration

Interface	Local, Remote, and Console Port (Configurable)
System Management	Web, TELNET, Terminal Emulation Software and SSH
Upgrade	Local & Remote file upload
Setup	Local & Remote adjustment or file upload



Cellular

Network Coverage	Nationwide Access
Frequency Bands	850 / 900 / 1900 / 2100 MHz
Protocols	UMTS, HSPA (HSUPA / HSDPA), GSM, GPRS, EDGE
Output Power	1 - 2 Watts (Selected by Protocol)
Receiver Sensitivity	< -108 dBm
Download (Max)	7.2 Mbps
Upload (Max)	2 Mbps

Embedded Functions

Beep	Configurable audible alarm
Real-time clock	Manual & Synchronized to PC or server
Watchdog	Hardware & Software auto reset
Signal Strength Indicators	3-level LED
Running Status LEDs	4 - Power, Status, Warn & Error

Interface

Ethernet	10M/ 100Mbase-T RJ-45, Auto MDI / MDI-X
RS-232	3 Wire, Terminal Connector 1,200 bit/s - 115,200 bit/s
Console	3 Wire, RJ-45 Connector, RS-232 Serial Data

Mechanical

Operating Temperature	-25°C to 70°C (-13°F to 158°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95%, non-condensing
Protection Level	IP30
Enclosure	Aluminum
Dimensions	46mm x 100mm x 110mm (1.8in x 3.93in x 4.33in)
Weight	490g / 17oz
Operating Voltage	+9 to +48VDC
Power Consumption	3.6 Watts (Active), 1.44 Watts (Idle)
Power Connector	Plug-in screw terminal block