

## The GW3400 Series Router Industrial Wireless Router with WiFi



### Applications:

- Emergency services
- Transportation
- Harsh environments
- Military
- Mobile CCTV

### Features:

- Dual radio: 2 mobile networks in parallel
- Dual band WiFi
- Ruggedized
- Vibration resistant design
- Vehicle power conditioning

### Overview

The Virtual Access GW3400 Series dual radio router is a versatile wireless router suitable for a variety of transport or industrial deployments. The GW3400 Series router offers single or dual radio with any combination of 3G, 4G/LTE or LTE450. WiFi, ignition power management, vibration resistance design and the ability to manage large spikes in voltage makes the GW3400 Series the ideal router for vehicle deployments.

This ruggedized router is designed for use in any vehicle where additional requirements for secure communication and accessibility are one of the highest demands. It can be installed in harsh environments for industrial, transport, emergency and law enforcement markets.

### Dual Radio

The GW3400 Series router is a mobile multi-channel dual radio router offering resilient connectivity using multiple operators and/or mobile technologies. The GW3400 Series router creates extremely reliable, robust and secure broadband data connectivity for all critical applications.

### Vehicle Ignition Sense

The vehicle's ignition sense input can detect when the vehicle's ignition has been enabled. This means the GW3400 Series router can

remain powered on after the vehicle has stopped and the ignition has been turned off. The time delay between ignition off and router power down is configurable.

### Active Power Conditioning

Vehicle battery voltages often experience transients and there can be substantial voltage dip during engine start up. The GW3400 Series router incorporates an active power condition, which is designed to accommodate the voltage dips, surges and transients commonly found in vehicles. This built-in power conditioning removes the need for use of external power conditioners.

### Dual SIM

Dual SIM architecture ensures that a backup 3G/4G LTE network can take over should the primary network fail. The router detects a network problem and fails over to a standby SIM/APN. As well as standard SIM sockets, E-SIM functionality is also available.

### SMS Management

The GW3400 Series router supports SMS, so if the packet switched side of the network is down you can still send commands to the router to perform diagnostics, reboot the router and so on.

### GPS Receiver

The GW3400 Series router includes a GPS receiver that can be used for vehicle tracking. The vehicle's coordinates, direction and speed can be reported to a tracking server periodically. The GPS antenna socket includes a 3.3V power source for powering an active GPS antenna.

### WiFi

The GW3400 Series router has integrated dual band (2.4GHz & 5GHz) WiFi support. It is capable of supporting both Access Point mode and Station mode, concurrently if required.

### Ethernet

- 1 or 4 Ethernet ports
- GigE capability

### Centralised Management & Service Monitoring

The GW3400 Series router benefits from Activator, the Virtual Access centralised configuration management and monitoring system. Activator simplifies router deployment and ongoing management with its advanced automated services.

## Software Features

### Management

- SMS management support
- Local and remote advanced configuration through embedded web server
- HTTP/HTTPS
- Command Line Interface via Telnet or SSH
- TFTP client download/upload
- SNMP agent

### Fault Investigation and Reporting

- Event logging
- Packet tracing (tcpdump)
- Syslog support

### Routing Features

- IPv4 and IPv6
- DynDNS
- NAT
- NAT Traversal
- NTP Client
- VLAN support
- Packet filtering
- Firewall
- Port forwarding
- Static routes
- BGPv4
- RIP (v1 and v2)
- OSPF
- Virtual Router Redundancy Protocol (VRRP)
- IPSec
- DMVPN
- L2TP
- GRE
- SNMP v1/v2/v3
- Mobile IP

### IPSec

- Manual and automatic key management
- HMAC-MD5-96 and HMAC-SHA-1-96
- AES (256bit) 3DES (168bit) & DES (56bit) with explicit IV

### IKE-related VPN Specification

- Support for ESP and AH
- Authentication using RSA signatures, DSS signatures and pre-shared keys interworking
- Dead Peer Detection

## Hardware Features

### Wireless Connectivity

#### Modes:

- 4G LTE/LTE WCDMA/EVDO/HSPA/GSM/GPRS/EDGE

#### Bands:

- LTE (FDD) B1/B2/B3/B5/B7/B8/B20
- 450LTE/LTE/FDD on 450 band
- Quad-band DC-HSPA+/HSPA+/HSPA/UMTS
- 850/900/1900/2100MHz
- Quad-band EDGE/ GPRS/GSM 1900/1800/900/850 MHz

#### WCDMA/HSPA

- 2100/1900/900/850MHz (Band I/II/V/VI/VIII)

#### GSM/GPRS/EDGE

- 1900/1800/900/850MHz

### Antenna

Up to 7 SMA female connectors:

- 2 WiFi
- 2 LTE
- 2 CDMA
- 1 GPS

### LAN Interfaces

- 1 or 2 Ethernet ports
- GigE capability
- Auto detects full- or half-duplex operation

### SIM

- E-SIM
- Standard SIM slots

### Approvals and CE Certificates

- CE approved
- EMC and safety declaration
- Vibration resistant (for vehicles)
- EN55022 Class B radiated emissions
- EN60950 safety approval

### Power

- DC input 9-36V
- Active power conditioning accommodating voltage dips
- Ignition sense

### Physical and Environment

- Unit size: H42 x W175 x D153 (mm)
- Unit weight: 400g
- Vehicle mount kit
- DIN Rail option

### IP Rating

- IP65

GW3400 Series Router Models

	Ethernet	Main Module	Secondary Module	WiFi	Serial	Operating Temperature
GW3430	2	3G	-	✓	●	-40°C to +75°C
GW3440	2	4G	-	✓	●	-40°C to +75°C
GW3460	2	LTE450	-	✓	●	-30°C to +70°C
GW3443	2	4G	3G	✓	●	-40°C to +75°C
GW3444	2	4G	4G	✓	●	-40°C to +75°C
GW3446	2	4G	LTE450	✓	●	-30°C to +70°C

● = optional

Append S to model number for serial option