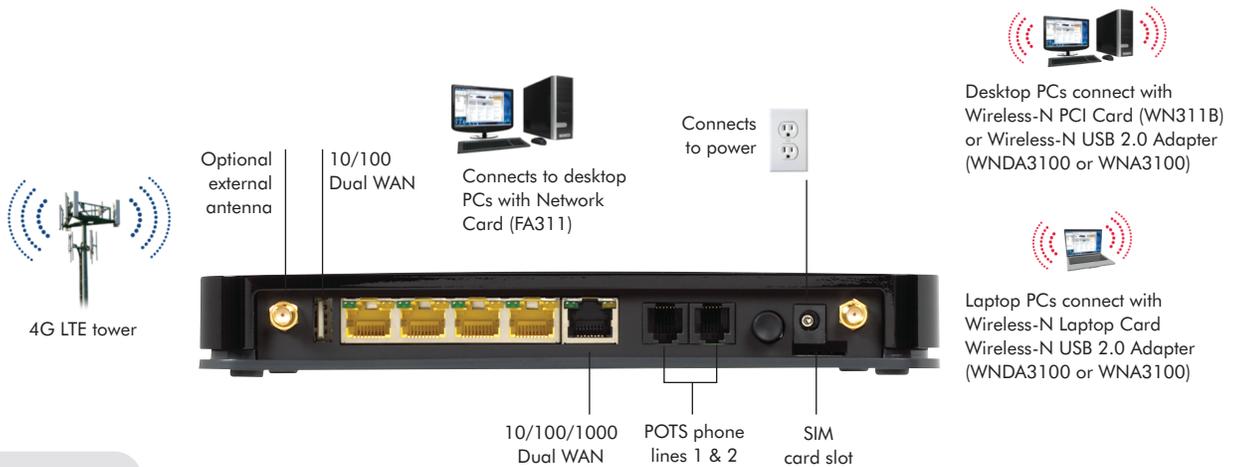# NETGEAR®
Connect with Innovation™

MVBR1517 Mobile Broadband VoIP/VoLTE Router

Anytime, Anywhere, Superfast Mobile Voice and Broadband Access

The NETGEAR MVBR1517 is high performance 4G LTE router with integrated voice support. Next generation carrier-class voice is enabled via Voice over LTE (VoLTE), allowing mobile operators to deploy this router utilizing their IMS infrastructure, reducing costs, increasing network efficiency and capability. Designed for residential and SOHO/SMB consumers, the MVBR1517 provides feature rich telephony, advanced data services and mobile service resilience in a single box solution

Features	Benefits
4G LTE 100Mbps (bands 1,3,7,8,20 or 800/900/1800/2100/2600 Mhz) with fallback DCHSPA+ 3G 42Mbps (bands 1, 8)	Subscriber self-installation and activation, reducing support cost
Built-in Voice over LTE (VoLTE) IMS capability providing telephone access to 2 phone lines	Extends to wired and wired-dect handsets
High performance 802.11n WiFi	No new wires whole home coverage
Preconfigured WPA/WPA2 and WPS	Easy security setup
Multi-SSID support	Private and Public access
Optional external antennas	Extended coverage
USB 2.0 host port enabling USB Readyshare Storage – Optional USB features: Readyshare Cloud, DLNA and Wireless Printing	Extends data network to USB attached storage and printers, enables easy local and remote (away from home) media play
SMS communicator with notification	SMS alerts
Ethernet WAN with failover to Mobile WAN	Always-on connectivity
IPv6 Ready	Future-proof for continued operation in the network
TR-069 ready	Remote management for faster troubleshooting
Driverless client PC install	Easy setup reducing support cost

4G LTE tower

Optional external antenna

10/100 Dual WAN

Connects to desktop PCs with Network Card (FA311)

Connects to power

10/100/1000 Dual WAN

POTS phone lines 1 & 2

SIM card slot

Desktop PCs connect with Wireless-N PCI Card (WN311B) or Wireless-N USB 2.0 Adapter (WNDA3100 or WNA3100)

Laptop PCs connect with Wireless-N Laptop Card Wireless-N USB 2.0 Adapter (WNDA3100 or WNA3100)

24/7
TECHNICAL SUPPORT*

NETGEAR Green™

Wi-Fi PROTECTED SETUP

• System Requirements
- Compatible 4G LTE or 3G (Fallback) Mobile Service
- Mobile voice subscription (if Voice ports are to be used)
- Optional external mobile antennas
- 2.4 GHz wireless adapter or Ethernet adapter and cable for each computer
- Microsoft Windows 7, Vista, XP, MAC and other operating systems running a TCP/IP network
- Microsoft® Internet Explorer 6.0 or higher
- Standard wired telephones or DECT base unit with handsets

• Protocols
- VoLTE IMS (SIP), DOS protect & DDOS detect, static and dynamic routing with TCP/IP, VPN pass-through (IPSec, L2TP, PPTP), RIP V1 & V2, DMZ, DNS, DNS Proxy, Dynamic DNS, DHCP (client, relay & server), RFC 1483 static IP, classic IP, port forwarding and Wireless Distribution System (WDS), RADIUS, QoS, TFTP Client

• Physical Interfaces
- LAN: Four 10/100/1000 Mbps auto-sensing, Auto Uplink™ RJ-45 ports
- WAN Ports: 4G LTE internal Modem
  - 2G Quad band (850/900/1800/1900Mhz)
  - 3G Dual band DCHSPA+ (800/900Mhz)
  - 4G LTE CAT 3 (800/900/1800/2100/2600 Mhz) and 10/100/1000 Dual WAN
- Wireless: 2x2 MIMO 802.11n access point auto rate capable to 300 Mbps
- Two wired analog phone RJ11 ports
- 1 USB 2.0 Host port
- 2 External Mobile antenna connector
- SIM card slot

• Security
- Firewall: Stateful packet inspection (SPI), intrusion logging and reporting, denialservice (DoS) and DDoS protection
- NAT traversal (VPN pass-through) for IPSec, PPTP and L2TP VPNs

- Mode of operation: Port and Network Address Translation (PAT/NAT), static routing
- IP Address Assignment: Static IP address assignment, internal DHCP server on LAN, DHCP client on WAN
- Domain Filtering & Parental Control

• Functions
- Port range forwarding, exposed host (DMZ), DNS proxy, URL content filtering

• Voice Features
- Voice over LTE/IMS VoIP (SIP)
- Caller ID
- Call hold, transfer, forwarding, return, conference, anonymous call
- Codecs: AMR / W-AMR*
- Tone Detect/Generate
- Adaptive jitter buffer, VAD, silence suppression
- NOTIFY for voice mail
- G.711 fax pass through

• Power Adapter
- 12V DC, 2.5 A; plug is localized
- Optional automotive adapter is available

• Physical Specifications
- Dimensions: 234 x 160 x 76 mm (9.2 x 6.3 x 3.0 in)
- Weight: 0.5 kg (1.1 lb)

• Environmental Specifications
- Operating temperature: 0° to 40° C
- Operating humidity: 90% maximum relative humidity, non-condensing
- Storage temperature: -20C to 70C
- Storage humidity: 5% - 95%

• Warranty
- US: NETGEAR 1-year warranty
- Rest of world: NETGEAR 2-year warranty

• Package Contents
- MVBR1517 Mobile Broadband router
- Power adapter
- Ethernet cable
- Vertical stand
- Quick start guide

• Compliances
- CE, WiFi UL, A-TICK

• Network Management
- UPnP
- Remote Web Management
- Smart Setup Wizard
- Traffic Monitoring and Limit controls
- Content Filtering: Block Sites, Block Services, Blocking Schedule, E-mail notification, Event Logs
- Maintenance: Router Status, Attached Devices, Backups, Set Password
- Port Forwarding, Port Triggering

• Statistics (by LAN/WAN Port)
- Link Status
- Transmit / receive traffic in packets
- Up Time
- Poll Interval between updates

• WIFI
- WEP 64/128 bit
- WPA, WPA-PSK
- WPA2, WPA2-PSK
- MAC address Access Control
- Multi-SSID, Disable SSID broadcast
- Multicast Streaming
- Disable SSID broadcast
- WPS
- WMM-QoS & UAPSD
- Turn WiFi on or off with push button & time of day setting
- Wireless Protection Setup (WPS) with PIN or push button

• RF Characteristics
- WiFi Transmit Power: 50 mW in .11g/n mode and 20 mW in .11b mode

• LEDs
- WPS button
- WiFi button
- Power
- Internet
- USB
- LAN
- Ethernet WAN
- Phone
- Internal/External Mobile antennas
- SMS message
- 4G LTE / 3G Service
- 5 bar signal strength display

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