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Datasheet

AC1600 Hybrid Modem Router with VoIP

VC321-G2h

**Powerful Wi-Fi and Gigabit Wired
for a High-Speed Home
Switch between DSL/EWAN and LTE**

Version 1.0

Developed by: **BUROSERV Australia**
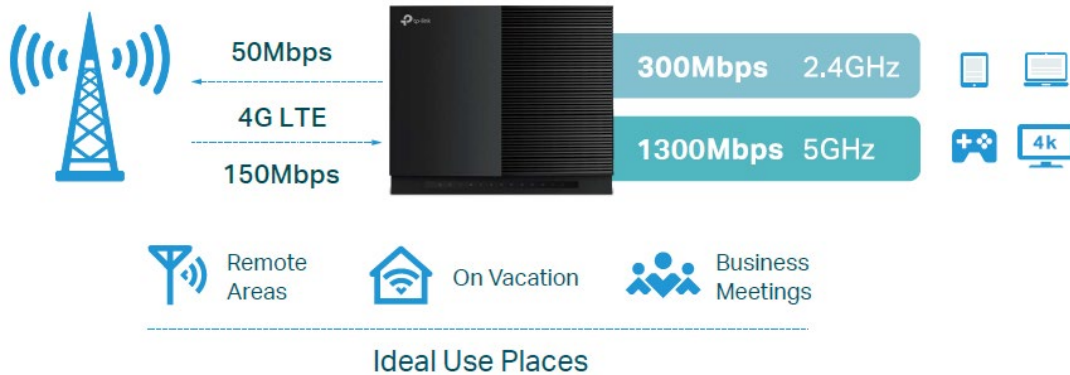Level 2, 9 Help Street Chatswood NSW 2067. Australia

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HIGHLIGHTS

SUPERFAST 4G LTE SPEED & STREAM-READY AC WI-FI

The VC321-G2h uses 4G LTE technology to achieve speeds of up to 150Mbps download and 50Mbps upload. It also shares a simultaneous dual band Wi-Fi network with maximum speeds of 300Mbps on 2.4GHz and 1300Mbps on 5GHz.

VERSATILE CONNECTIVITY

With multiple inputs, the Archer VC321-G2h provides you with a variety of internet connection options. The DSL port accepts the connections from telephone cable. The WAN port accepts the connections from cable or fiber modem via Ethernet cable. The built-in SIM slot allows you to share your 4G LTE network with multiple Wi-Fi devices and allows you surf the internet continue as a backup when DSL/EWAN connection break.
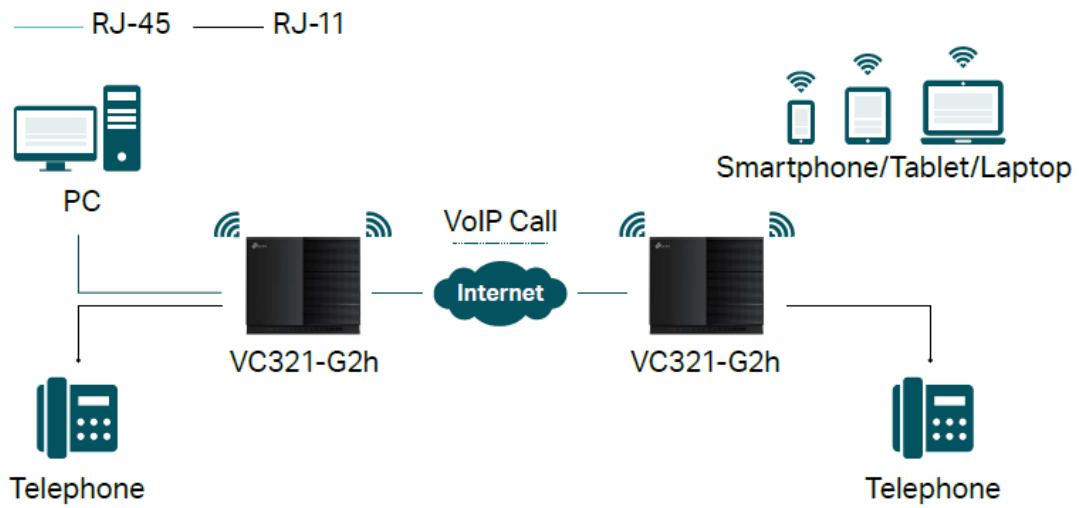
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PLUG AND PLAY

Simply insert your 3G/4G SIM card into the built-in slot, turn on the VC321-G2h and start surfing.

SIM Card   Start Surfing!

VOIP CALLS

With 2 FXS ports, users can make or receive phone calls over the internet simply by connecting the device to their existing telephone set.

—— RJ-45   —— RJ-11

PC

Smartphone/Tablet/Laptop

VoIP Call

Internet

VC321-G2h   VC321-G2h

Telephone   Telephone

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FEATURES

4G LTE
- 4G LTE – Ideal for cutting-edge 4G LTE network
- 150Mbps/50Mbps – 150Mbps Download speeds and 50Mbps upload speeds
- Backward Compatible – Compatible with 4G/3G network

SPEED
- **Blazing Fast Wireless Speed** – Combined wireless speeds up to 1.6Gbps at 2.4GHz & 5GHz band concurrently
- **Support 802.11 ac** – Offering 3 times faster data rate than 802.11n in a single stream
- **Gigabit Wired Speed** – Enjoy rapid, reliable wired connections for gaming and streaming in the best quality

WI-FI RANGE
- Wi-Fi with Beamforming – Beamforming technology locates the connected devices and further improves the VC321-G2h's range and the signal strength to each mobile device, delivering a more reliable and efficient wireless connection

RELIABILITY
- **Simultaneous Dual Band** – Separate Wi-Fi bands enable more devices to connect to your network without a drop-in performance

EASE OF USE
- **Intuitive Web UI** – Ensures quick and simple installation without hassle
- **Fast Encryption** – One-touch WPA wireless security encryption with the WPS button
- **Power On/Off** – Conveniently power on or off your router as required
- **Web UI Upgrade** – Update firmware on the web UI

SECURITY
- **Parental Control** – Manage when and how connected devices can access the internet
- **VPN Server** – Support PPTP VPN and OpenVPN , easily setup a secure connection between your private networks to the Internet
- **Encryptions for Secure Network** – WPA-PSK/WPA2- PSK encryptions provide active protection against security threats

SPECIFICATIONS

HARDWARE
- **Interface:** 4 10/100/1000Mbps RJ45 LAN Ports, 1 10/100/1000Mbps RJ45 WAN Port, 1 RJ11 DSL Port, 1 LTE slot, 2 FXS Port
- **Buttons:** Power On/Off Button, WPS On/Off Button, Wireless On/Off Button, RESET Button
- **Antennas:** 2.4G 2 Internal Antennas, 5G 2 Internal Antennas, LTE 2 Internal Antennas
- **External Power Supply:** 12V/2A
- **PCB Dimensions:** 219*154*1.6 mm

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WIRELESS

- **Network Type**
  4G: FDD-LTE Cat4 B1/B3/B5/B7/B8/B20/B28 (2100/1800/850/2600/900/800/700MHz)
  TDD-LTE B38/B39/B40/B41 (2600/1900/2300/2500MHz)
  3G: DC-HSPA+ /HSPA+/HSPA/WCDMA B1/B5/B8 (2100/850/900MHz)
- **Wireless Standards:** IEEE 802.11ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz
- **Frequency:** 2.4GHz and 5GHz
- **Signal Rate:** 1300Mbps at 5GHz, 300Mbps at 2.4GHz
- **Transmit Power:** <36dbm(2.4GHz), < 23dbm(5G Band 1), <36dbm(5G Band 4)
- **Wireless Function:** Enable/Disable Wireless Radio, WMM, Wireless Statistics
- **Wireless Security:** 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA-PSK2 encryptions

SOFTWARE

- **DHCP:** Server, Client, DHCP Client List, Address Reservation, DHCP Relay
- **Quality of Service:** Bandwidth Control
- **Port Forwarding:** Virtual Server, Port Triggering, DMZ, ALG, UPnP
- **Dynamic DNS:** DynDns, NO-IP
- **VPN Passthrough:** PPTP, IPSec Passthrough
- **ATM/PPP Protocols:** ATM Forum UNI3.1/4.0, PPP over ATM (RFC 2364), PPP over Ethernet (RFC2516), IPoA (RFC1577/2225), MER\IPoE (RFC 1483 Routed), Bridge (RFC1483 Bridge), PVC – Up to 8 PVCs
- **Security:** NAT Firewall, Access Control, MAC / IP / URL Filtering, Denial of Service (DoS), SYN Flooding, IP and MAC Address Binding
- **Functions:** Parental Control, Network Address Translation (NAT), Port Mapping (Grouping), Static Routing, RIP v1/v2(optional), DNS Relay, DDNS, IGMP V1/V2/V3
- **Management:** Web Based Configuration (HTTP), Remote management, Command Line Interface, SSL for TR-069, SNMP v1/2c, Web Based Firmware Upgrade, Diagnostic Tool
- **IPSec VPN:** Supports up to 16 IPSec VPN tunnels
- **Protocols:** Supports IPv4 and IPv6

OTHERS

- **Certification**
  CE RCM
- **System Requirements**
  Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux
  Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser
  Cable or DSL Modem
- **Environment**
  Operating Temperature: 0℃~40℃ (32℉ ~104℉)
  Storage Temperature: -40℃~70℃ (-40℉ ~158℉)
  Operating Humidity: 10%~90% non-condensing
  Storage Humidity: 5%~90% non-condensing