

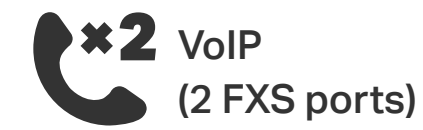


AX1500 Wireless Gigabit VoIP VDSL/ADSL Modem Router

Next generation 802.11ax Wi-Fi
technology



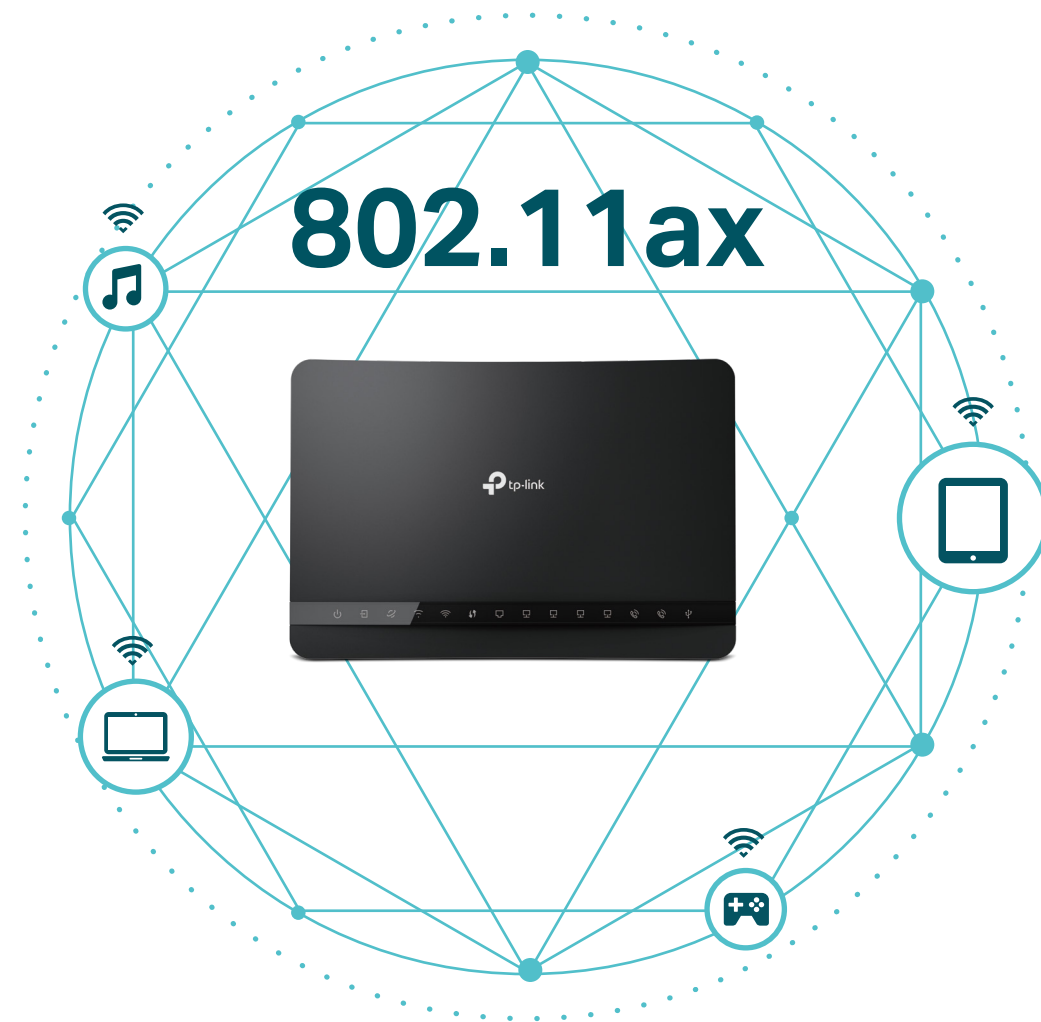
VX220-G2v



Highlights

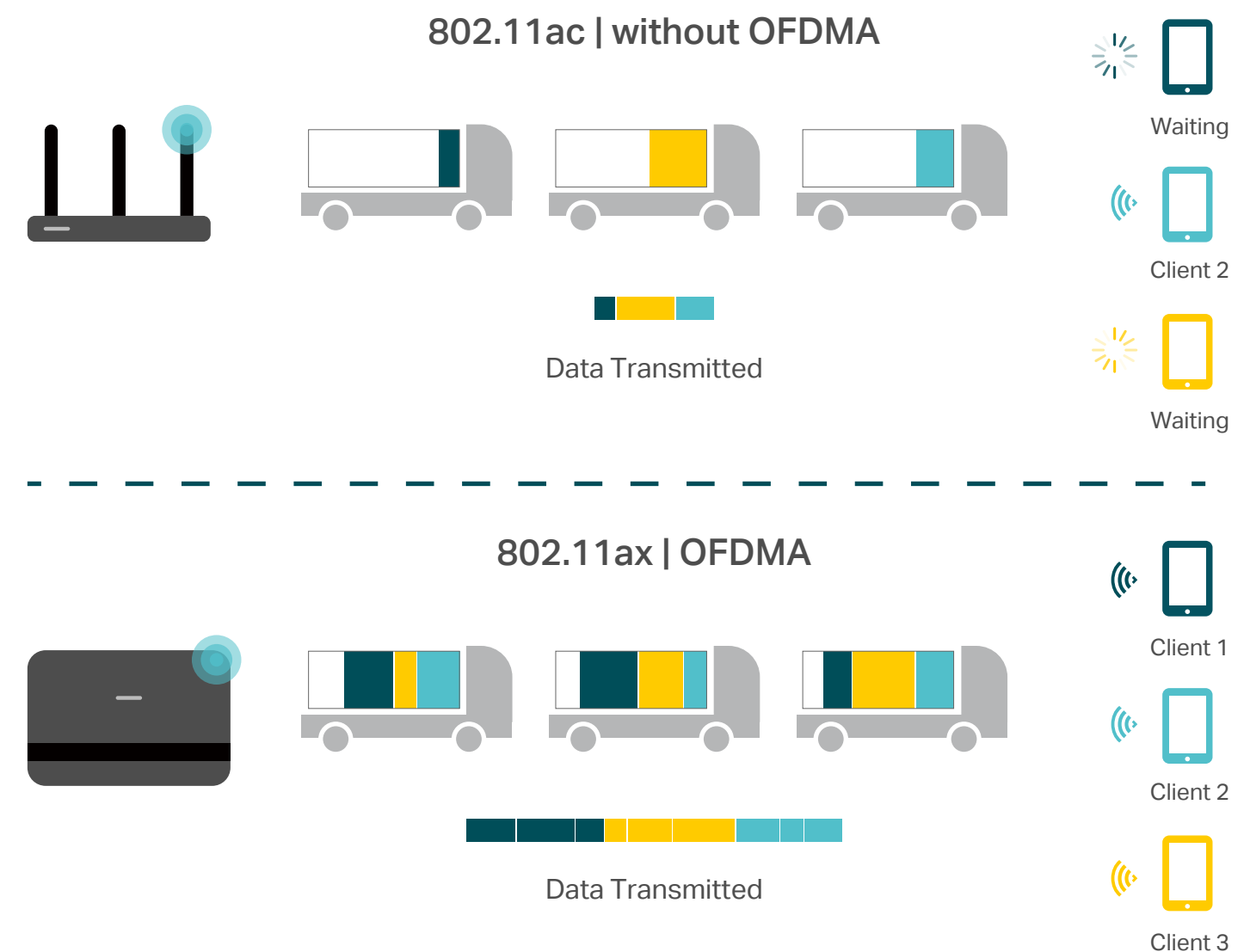
802.11ax Wi-Fi technology

VX220-G2v is an AX1500 Dual-Band Wi-Fi router with next generation 802.11ax Wi-Fi technology. Take your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.



Increased Efficiency with OFDMA

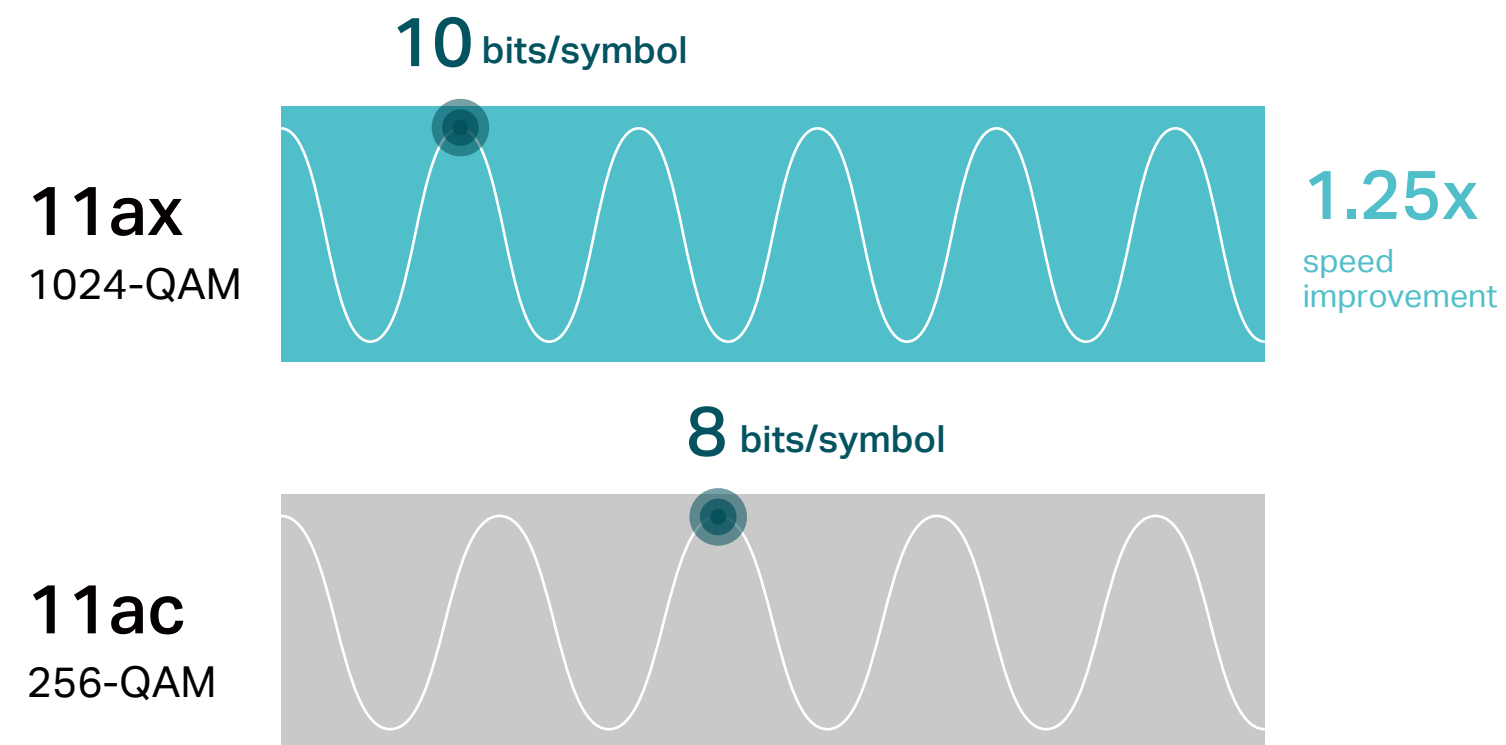
OFDMA increases the average throughput and reduces the lag by assigning channels to more devices at one time. This vast improvement in efficiency works for both uploads and downloads.



Highlights

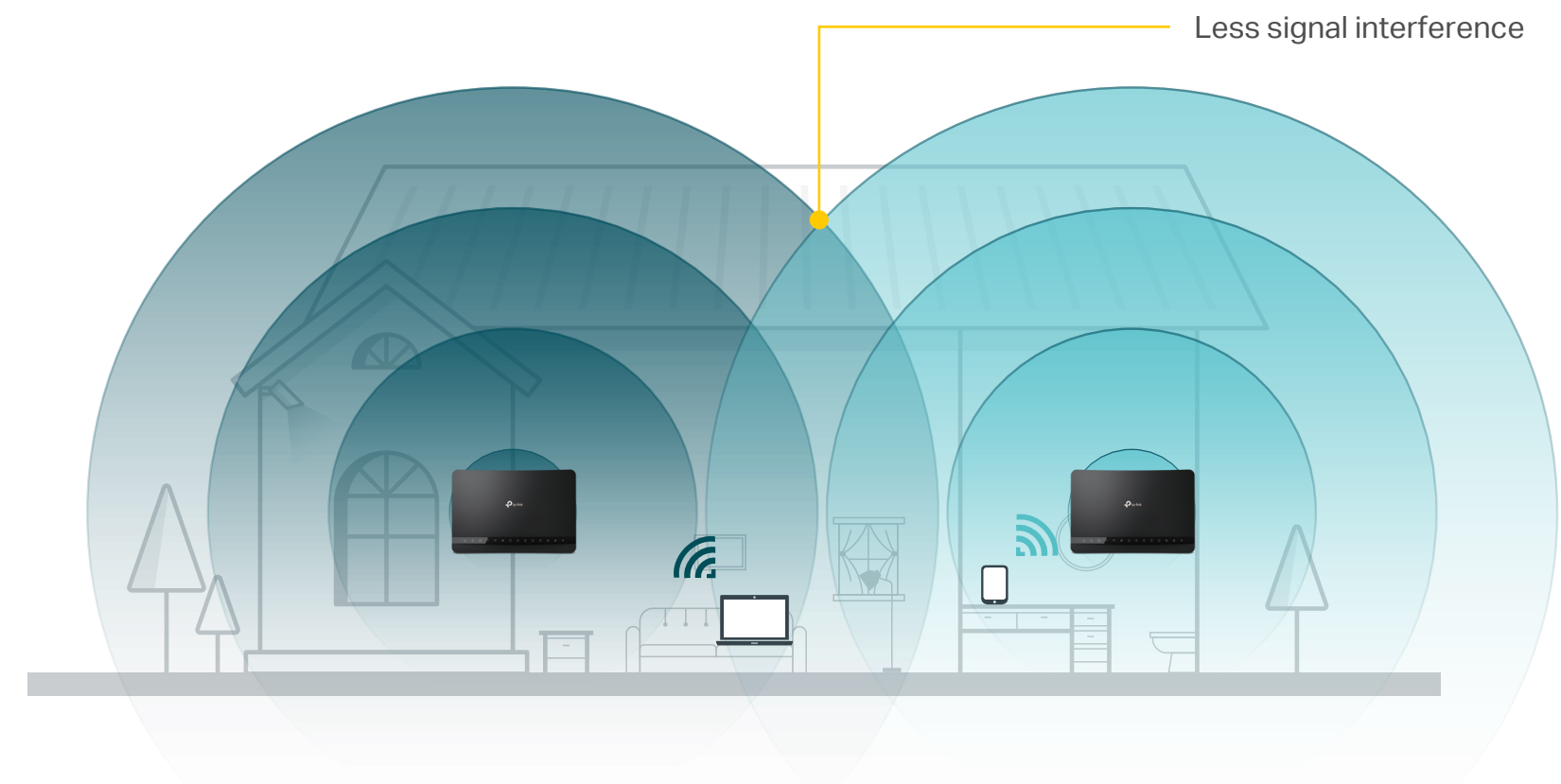
Pack More Data with 1024 QAM

With 1024-QAM, each symbol carries 10 bits rather than 8 bits, improving raw speeds by 25% compared to 802.11ac 256-QAM.



Far-Reaching Wi-Fi Coverage

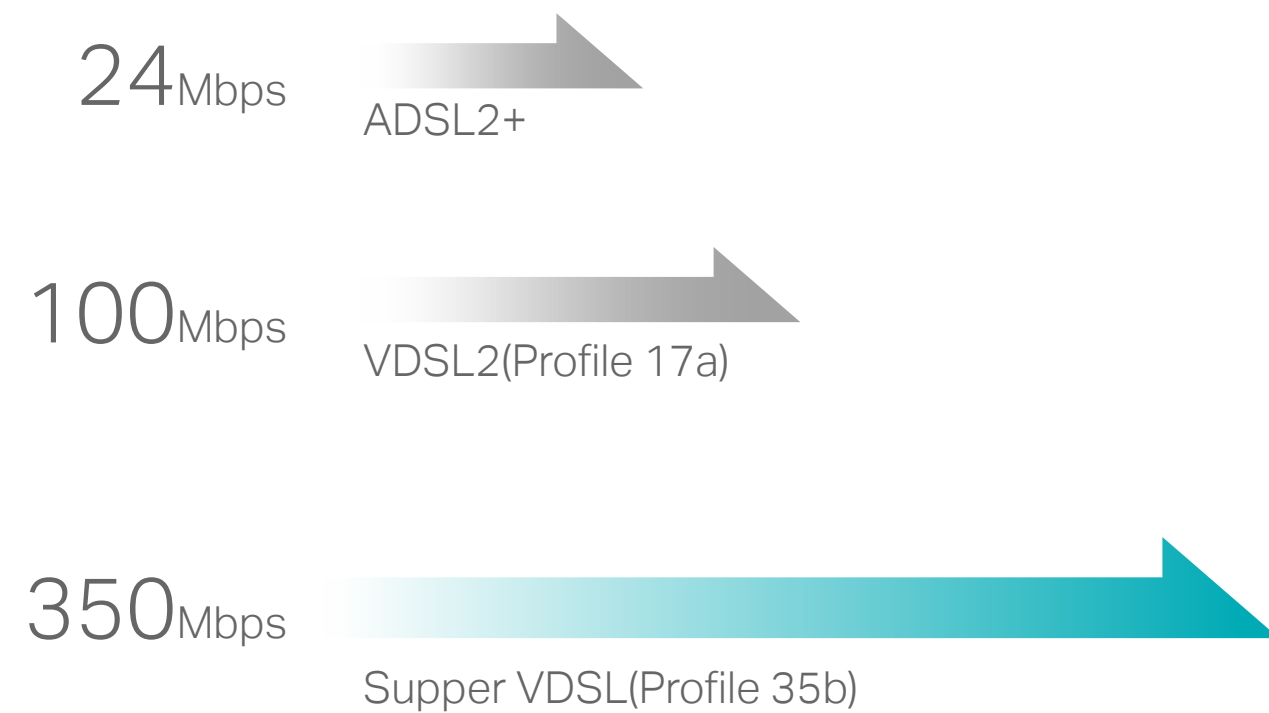
BSS Coloring technology ensure smooth and stable connections by eliminating signal interference probably from your neighbors, while Beamforming delivers stronger and far-reaching network.



Highlights

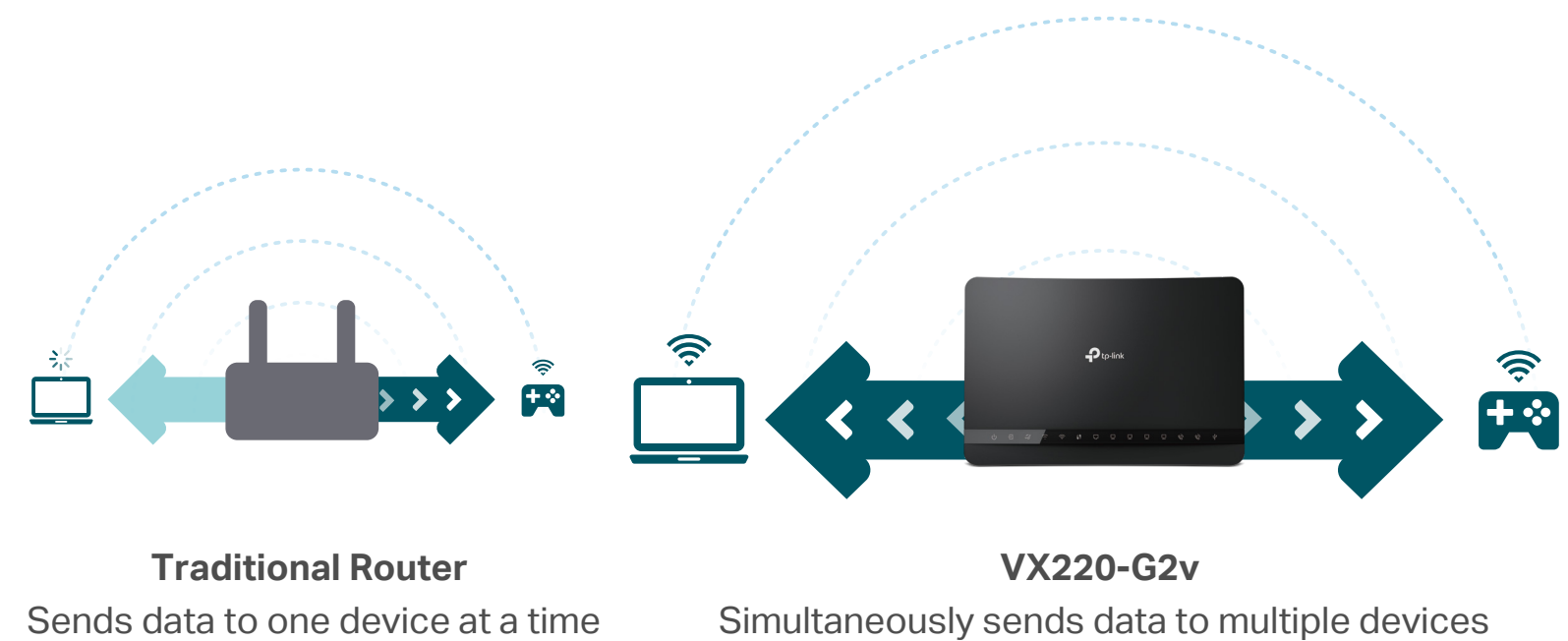
Super DSL – the Future of Internet

The VX220-G2v features Super VDSL(VDSL2+ Profile 35b), the latest generation of DSL technology. Downstream is increased by up to 350Mbps, 3.5x faster than its VDSL2 predecessor.



MU-MIMO: Efficient Wi-Fi for Every Device

MU-MIMO technology serves multiple devices at once. No more bandwidth congestion or latency. All devices get their data faster and Wi-Fi is used more efficiently.

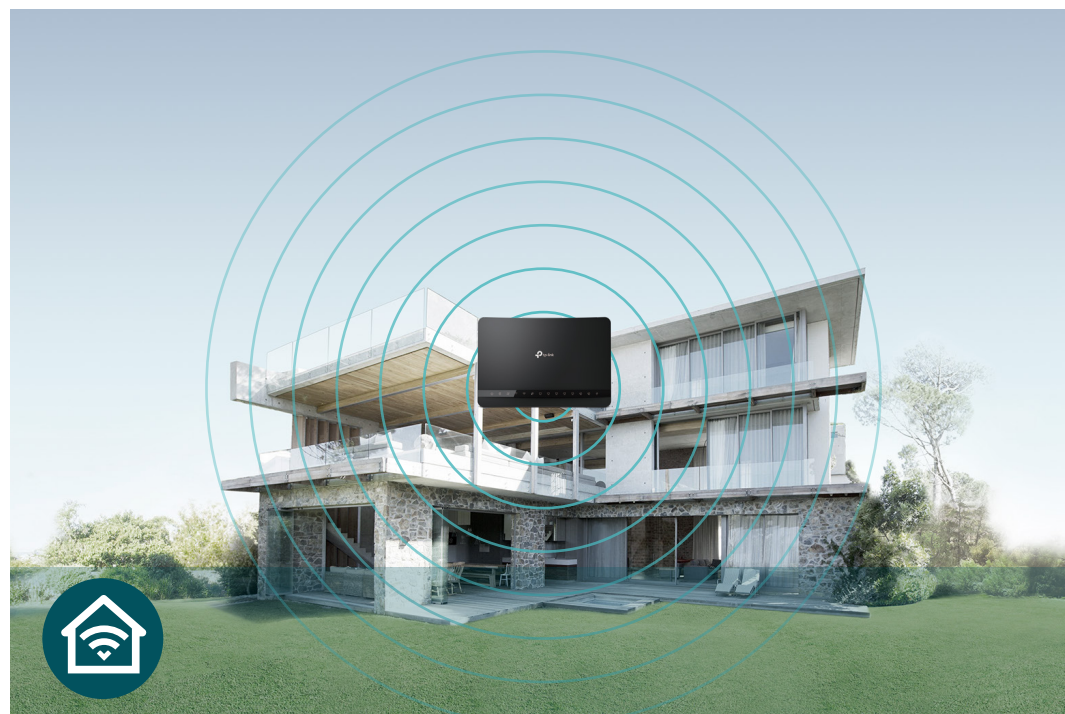


Features



Speed

- 802.11ax Wi-Fi technology – Takes your Wi-Fi to the next level while being backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards
- Super VDSL(VDSL2 Profile 35b) – The latest generation of DSL technology. Downstream is increased by up to 350Mbps, 3.5x faster than its VDSL2 predecessor
- Blazing Fast Wireless Speed – Combined wireless speeds up to 1.5Gbps at 2.4GHz & 5GHz band concurrently
- 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 VX220-G2v'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
- Easy Bandwidth Management – Advanced QoS makes it easier for you to manage the bandwidth of connected devices or applications
- Airtime Fairness – Balances bandwidth to improve throughput for all connected devices

Features



Ease of Use

- Fast Connection – Connect wireless devices securely with the press of WPS button
- Easy On/Off – Turn On/Off power and wireless radio separately using the Power On/Off and Wi-Fi On/Off buttons
- Web UI Upgrade – Update firmware on the web UI



Security

- Parental Control – Manage when and how connected devices can access the internet
- VPN Server – Open VPN, PPTP VPN and IPSec VPN are supported, making it easy to set up a secure connection between your private network and the internet
- Encryptions for Secure Network – WPA-PSK/WPA2-PSK encryptions provide active protection against security threats



Easy Management

- Intuitive Web UI – Ensures quick and simple installation without hassle
- Remote Management – Complied with TR-069 standard, service providers can manage devices remotely without any user interaction

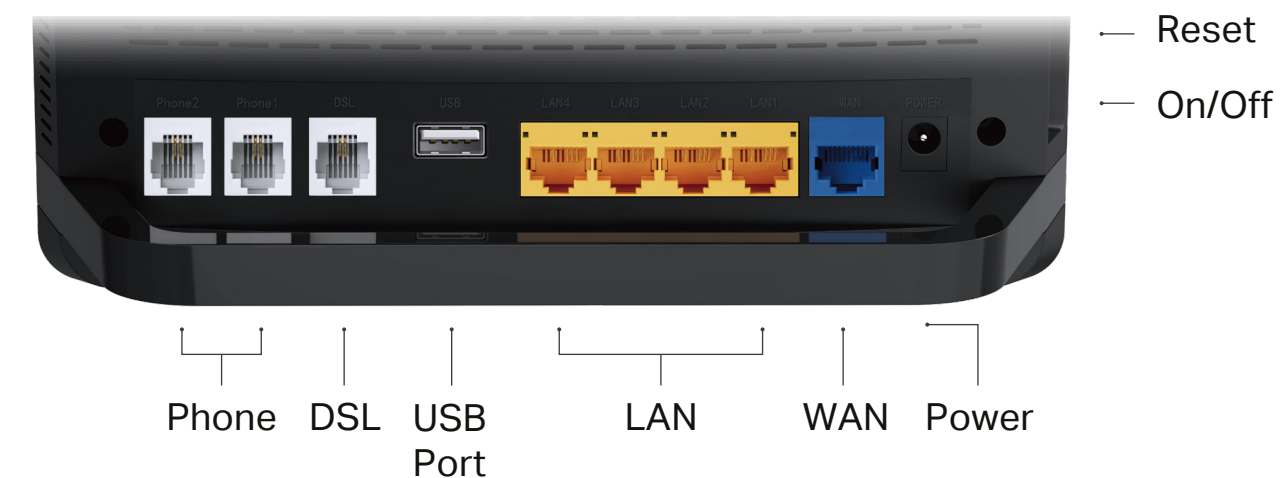
Specifications

Hardware

- Interface: 4 10/100/1000Mbps RJ45 LAN Ports, 1 10/100/1000Mbps RJ45 WAN Port, 1VDSL2 Port, 2 FXS Ports, 1 USB 2.0 Ports
- Button: Power On/Off Button, Reset Button, WPS On/Off Button, Wireless On/Off Button
- External Power Supply: 12V/2.0A
- Dimensions (W x D x H): 8.4 × 5.7 × 3.2 in. (214.0 × 144.5 × 80.0 mm)
- IEEE Standards: IEEE 802.3, IEEE 802.3u, 802.3ab
- VDSL2 Standards: ITU G.993.2, Up to 35b profile
ITU-T G.993.5 (G.vector)
ITU-T G.998.4 (G.INP)
- ADSL Standards: Full-rate ANSI T1.413 Issue 2,
ITU-T G.992.1(G.DMT),
ITU-T G.992.2(G.Lite),
ITU-T G.994.1 (G.hs),
ITU-T G.995.1
- ADSL2 Standards: ITU-T G.992.3 (G.DMT.bis)
ITU-T G.992.4 (G.lite.bis)
- ADSL2+ Standards: ITU-T G.992.5
- Antenna Type: Internal antennas

Wireless

- Wireless Standards: IEEE 802.11 ax/ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz
- Frequency: 2.4GHz and 5GHz(not Supports DFS)
- Signal Rate: 1201Mbps at 5GHz, 300Mbps at 2.4GHz
- Transmit Power: <20dBm (2.4GHz), <23dBm (5GHz)
- Wireless Function: Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
- Wireless Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA-PSK2 encryptions
- Wireless Schedule: Support 2.4GHz and 5GHz Wireless Schedule



Specifications

Software

- DHCP: Server, Client, DHCP Client List, Address Reservation, DHCP Relay
- Quality of Service: ATM QoS, Bandwidth Control
- Port Forwarding: Virtual Server, Port Triggering, DMZ, ALG, UPnP
- Dynamic DNS: DynDns, NO-IP
- VPN: OpenVPN, PPTP VPN, IPSec VPN
- ATM/PPP Protocols: ATM Forum UNI3.1/4.0, PPP over ATM (RFC 2364), PPP over Ethernet (RFC2516), IPoA (RFC1577/2225), MERIPoE (RFC 1483 Routed), Bridge (RFC1483 Bridge), PVC – Up to 8 PVCs
- Security: NAT Firewall, SPI Firewall, Access Control, Service Filtering, Denial of Service (DoS), SYN Flooding, Ping of Death, IP and MAC Address Binding
- Advanced Functions: Auto Gateway, Parental Controls, Network Address Translation(NAT), Port Mapping (Grouping), Static Routing, RIP v1/v2 (optional), DNS Relay, DDNS, IGMP V1/V2/V3
- USB Sharing: Support Samba (Storage) / FTP Server / Media Server, 3G/4G Modem
- Management: Web Based Configuration (HTTP), Remote management, Command Line Interface, SSL for TR-069, SNMP v1/2c, Diagnostic Tools, Web Based Firmware Upgrade
- Guest Network: 2.4GHz and 5GHz multi SSID
- IPSec VPN: Support up to 16 IPSec VPN tunnels
- Protocols: Support IPv4 and IPv6

Others

- Certification
CE
- 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
- Environment
Operating Temperature: 0°C~40°C (32°F ~104°F)
Storage Temperature: -40°C~70°C (-40°F ~158°F)
Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~90% non-condensing