

## C2100Z 802.11ac PRISM TV Gateway

C2100Z 802.11ac VDSL2 Bonding PRISM TV Gateway

### Benefits

#### Bonded VDSL2 with G.Vector

C2100Z supports VDSL2 bonding with vectoring. Vectoring support reduces cross-talk for up to 150% increase in performance and range for operators.

#### Gigabit Ethernet WAN / LAN Port

C2100Z includes a dedicated Gigabit Ethernet WAN port, allowing for a single CPE on either DSL or GPON network. When operating in DSL mode, this port works as a Gigabit 5th LAN port.

#### Carrier-class Wi-Fi for Seamless Mobility

C2100Z offers dual-band WiFi with performance boosting features that include Multi-User MIMO (MU-MIMO) and Beamforming for simultaneous, lag-free streaming and gaming. Rated at AC2050, the new RGs deliver speeds of up to 1.7 Gbps\* over 5Ghz and 300 Mbps\* over 2.4Ghz. High powered Wi-Fi on both 5GHz and 2.4GHz APs extend coverage, unleashing the best wireless experience for homes with growing number of Wi-Fi devices. In addition, the ability to create multiple Wi-Fi networks with up to 4 SSIDs helps operators easily create separate WLAN networks for video, data and guests.

#### Enhanced Security Features Forms Robust Protection

Enhanced security ensures the protection of traffic from the WAN to the LAN. Through ZyXEL's implementation of dual Ethernet firewalls (NAT and SPI), the C2100Z is able to identify and manage malicious content and applications. And, as part of its wireless security design, the C2100Z supports WPA2/WPA/WEK and features a hardware WPS button allowing customers to enjoy easy setup using a simple button. These features simplify the end user's ability to set up and utilize a secure, wireless network.

#### TR-069 Remote Management

The C2100Z provides DSL Forum compliant TR-069 remote management features to ensure faster deployment by Service Providers. In addition, ZyXEL's standard onboard management options, remote provisioning, monitoring, and management features help CenturyLink reduce OPEX while enhancing customer satisfaction.

#### IPv6 Enabled

Many North American carrier networks are migrating from IPv4 to IPv4/IPv6 which creates the potential for stranded equipment unable to support these requirements. Certified as an IPv6-ready vendor for over three years, ZyXEL is a global-provider of equipment supporting dual-stack IP networks and provides this feature on many current ZyXEL products, including the C2100Z.

\*Listed wireless data transfer rates are the theoretical maximum. The actual data transfer rate may vary depending on the network environment.



AC2050 Dual band Wi-Fi



Standards based WPS simplifies secure WLAN setup



IPv6 6rd and dual stack support



Auto detect CenturyLink network setting configurations



Remote provisioning, monitoring, and management via TR-069



CenturyLink Standard GUI

# Specifications

## System Specifications

### DSL:

- VDSL2 (G.993.2) Bonding
  - 200Mbps/100Mbps\* down/up data rates
  - Bonding mode: 8a, 8b, 8c, 8d, 12a, 12b, 17a profiles
  - Single line mode: 8a, 8b, 8c, 8d, 12a, 12b, 17a profiles
  - G.vector (G.993.5)
- ADSL/2/2+ Bonding
  - ADSL (T1.413), G.dmt (G.992.1), G.lite(G.992.2), ADSL2 (G.992.3), ADSL2+ (G.992.5) compliant
  - Reach Extended ADSL2 (Annex L)
  - Annex M (G.992.3 / G.992.5)
  - ATM/PTM transfer mode
- G.INP value support up to INP=16
- PhyR PHY Level Retransmission Technology
- Auto detect for bonding / single line, VDSL2 profile, and ADSL/2/2+ fallback modes

### Wireless

- 5 GHz band
  - 802.11ac support
  - 1.7 Gbps\* data rate
  - Backward compatible to 802.11a/n
  - 4x4 antenna array
  - High power amplifier
- 2.4 GHz band
  - 802.11n support
  - 300 Mbps\* data rate
  - Backward compatible to 802.11b/g
  - 2x2 antenna array
  - High Power amplifier
- WEP data encryption (64/128 bit)
- WPA/WPA2, WPA-PSK/WPA2-PSK (Wi-Fi Protected Access - Pre-Shared Key)
- WPS (Wi-Fi Protected Setup)
- Wi-Fi scheduling
- Multiple SSID (up to 4)

### Router

- NAT
- SIP ALG pass-through
- NAT port forwarding
- Dynamic DNS
- DHCP server/client/relay
- RIP I/RIP II support
- UPnP support
- IPv6 (6rd, dual stack IPv4/IPv6, DHCPv6, PPPv6, Static IPv6)
- QoS

### Firewall

- Stateful Packet Inspection (SPI)
- Denial of Service (DoS) prevention

### Security

- VPN (IPSec, PPTP) pass-through
- URL blocking

### Management

- Standard CenturyLink GUI
- TR-064
- TR-069 HTTPS support
- Logs and statistics
- Remote management control: Telnet, FTP, Web, SSH
- CLI command via Telnet/console

## Hardware Specifications

### Interface:

- WAN: 1 10/100/1000Mbps Ethernet Port
- LAN: 4 x 10/100/1000Mbps Ethernet Ports
- FXS: 2 phone ports
- Reset: One reset/restore factory default button
- USB
- HPNA3.1 over coax
- DSL

### LED:

- Power/System
- DSL 1-2
- Internet
- WAN/LAN
- LAN1-4
- HPNA
- USB
- WLAN-2.4G
- WLAN-5G
- VoIP 1-2
- WPS

### Power supply:

- 12V/3A

## Physical Specifications

### Item dimensions (W x D x H):

- 59 (W) x 218(D) x 280 (H) mm

## Environmental Specifications

### Operating Environment:

- Temperature: 0°C to 40°C
- Humidity: 20% to 85% RH (Non-condensing)

### Storage Environment:

- Temperature: -20°C to 60°C
- Humidity: 20% to 90% RH (Non-condensing)

## Certification

- UL 60950-1
- FCC Part 15 (Class B), Part 68
- UPnP
- WPS 2.0
- K.21
- HomePNA 3.1



C2100Z  
Front Panel



C2100Z  
Back Panel