

## C3000Z VDSL2 bonding AC2200 Gateway

### Benefits

#### Bonded VDSL2 with Vector

C3000Z supports VDSL2 bonding with vectoring. Vectoring support reduces crosstalk for up to 150% increase in performance and range for operators. C3000Z also supports the latest VDSL2 35B profile.

#### Gigabit Ethernet WAN / LAN Port

C3000Z includes a dedicated Gigabit Ethernet WAN Port. When CPE is operating in DSL mode, this port will work as a 5th Gigabit LAN Port.

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

C3000Z offers dual-band WiFi rated at AC2200 and delivers speed of up to 1.7 Gbps\* over 5Ghz and 450 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 C3000Z is able to identify and manage malicious content and applications. And, as part of its wireless security design, the C3000Z supports WPA2/WPA 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 C3000Z 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.

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



AC2200 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,30a, 35b profiles
  - 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
- 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
- 2.4 GHz band
  - 802.11n support
  - 450 Mbps\* data rate
  - Backward compatible to 802.11b/g
  - 3x3 antenna array
- 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, 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
- Reset: One reset/restore factory default button
- USB
- DSL

### LED:

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

### Power supply:

- 12V/2A

## Physical Specifications

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

- 170(W) x 50 (D) x 250(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
- WPS 2.0
- K.21



C3000Z  
Front Panel

C3000Z  
Back Panel

Datasheet C3000Z



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