



CDA-30360 Cable Modem

ZyXEL's CDA-30360 brings the speed and reliability of broadband internet directly to your home or small office. Powered by DOCSIS 3.0 and utilizing 8 downstream channels to provide ultra-fast download speeds, the CDA-30360 ensures that streaming media, gaming, videoconferencing, online shopping, or even just surfing the web is a seamless, instantaneous experience. Setup is fast and easy, and IPv6 support guarantees that your modem will continue to provide high speed, high quality internet access well into the future.

Always-On, High-Performance Internet Connection

The ZyXEL CDA-30360 is the perfect choice for cable operators who want to offer high-speed broadband access to their customer base economically. It delivers speeds of up to 400Mbps (8x4) with eight bonded downstream channels over its DOCSIS interface - eight times faster than a conventional single-channel DOCSIS 2.0 cable modem! The integrated Gigabit Ethernet port enables easy home networking.

Rapid, Simple Deployment, Monitoring and Management

Installation of the CDA-30360 is quick, straight-forward, and can even be carried out by the end-user. Once connected, the built-in TFTP client automatically gets the IP address and configuration data from the network server without human intervention. A browser-based utility allows convenient viewing of key network statistics, and SNMP support provides total remote control over the device.

Full Dual Stack IPv4 / IPv6 Support

The CDA-30360 has four provisioning modes: IPv4 Only, IPv6 Only, Alternate Provisioning Mode (APM) and Dual-stack Provisioning Mode (DPM). The new CDA-30360 boasts the sleek, attractive new design concept ZyXEL has created for its new product series.

- Full-featured, high bandwidth, compact economical cable modem
- 8x4 channel bonding
- DOCSIS/EuroDOCSIS 1.1/2.0/3.0 compliant
- Extensive operator control via configuration file and SNMP
- CableLabs CW80 certified



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Technical Specs

Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3

Connectivity

- RF F-type female 75Ω connector
- RJ-45 Ethernet port 10/100/1000 Mbps (Auto-MDI/MDIX)

Management

- Web-based GUI control configuration and management
- Dual-color LEDs clearly display network status and activity
- Power on self diagnostic
- MIB II/MCNS MIB
- Hitron proprietary MIBs for extended support

Reception-Modulation

- **Demodulation:**
 - 64QAM, 256QAM
- **Data Rate:**
 - Up to 320 Mbps with 8 bonded downstream channels (DOCSIS)
 - Up to 400 Mbps with 8 bonded downstream channels (EuroDOCSIS)

- **Frequency (edge-to-edge):**
 - 88 ~ 1002 MHz (DOCSIS)
 - 108 ~ 1002 MHz (EuroDOCSIS)
- **Channel Bandwidth:**
 - 6 MHz (DOCSIS, DOCSIS-J)
 - 8 MHz (EuroDOCSIS)
- **Signal Level:**
 - -15 dBmV to 15 dBmV
- **Input return loss:**
 - >6dB

Transmitter-Modulation

- **Modulation:**
 - QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- **Data rate up to 120 Mbps with 4 upstream channel bonding**
- **Frequency:**
 - 5 ~ 42 MHz (DOCSIS)
 - 5 ~ 65 MHz (EuroDOCSIS)
 - 5 ~ 85 MHz (Extended)
- **Output return loss:**
 - >6dB

Mechanical

- **5 status LEDs (Power, DS, US, Status, LAN)**
- **Factory default reset button**
- **Power button (EU)**
- **Dimensions:**
 - 160mm (W) x 40mm (H) x 147mm (D)
- **Weight:**
 - 310g ± 10g

Environmental

- **External power supply:**
 - Input 100 ~ 240 VAC 50/60Hz
 - Output 6VDC 1.5A (NA/EU), 12VDC 1.25A (KS)
- **Power Consumption:**
 - 6W (typical), 9W (max.)
- **Operating Temperature:**
 - 0°C (32°F) ~ 40°C (104°F)
- **Operating Humidity:**
 - 10% ~ 90% (Non-condensing)
- **Storage Temperature:**
 - -40°C (-40°F) ~ 80°C (176°F)
- **Surge Protection:**
 - RF input sustains at least 3KV (NA/EU) and 6KV (KS)
 - Ethernet RJ-45 sustains at least 6KV

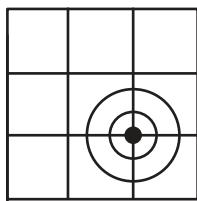
Compliance Certificates

- RoHS
- CE Mark
- FCC, UL

Box Contents

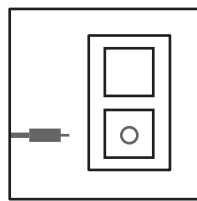
- Cable modem
- Power supply
- Ethernet cable
- Quick Installation Guide

Application Diagram



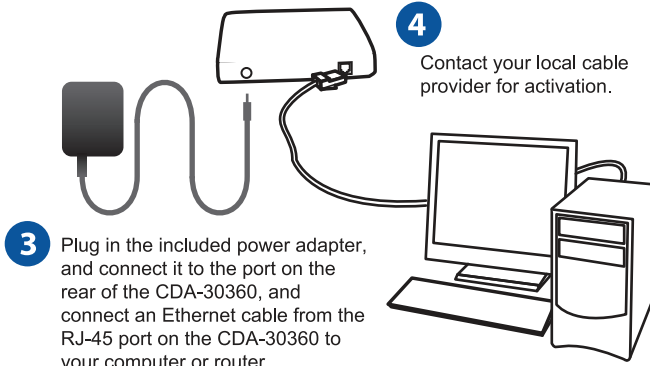
1

Call your Local cable provider to make sure that Broadband access is available in your local area.



2

Connect a coaxial cable from your existing cable outlet to the CDA-30360.



3

Plug in the included power adapter, and connect it to the port on the rear of the CDA-30360, and connect an Ethernet cable from the RJ-45 port on the CDA-30360 to your computer or router.

4

Contact your local cable provider for activation.

For more product information, visit us on the web www.us.ZyXEL.com



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ZyXEL Communications Inc.
1130 North Miller Street
Anaheim, CA 92806-2001

Phone: (714) 632-0882
Fax: (714) 632-0858
e-mail: sales@zyxel.com