



Z H O N E

VDSL2 Bridged Modem

6610-A1-xxx

- ✓ *Configuration and management via RS-232C*
- ✓ *Update firmware image via RS-232C*
- ✓ *TFTP download firmware via an Ethernet connection*
- ✓ *PPPoA*
- ✓ *PPPoE*
- ✓ *Bridged Ethernet over ATM*
- ✓ *Routed IP over ATM*

VDSL2 Bridged Modem



The Zhone 6610 IP-based VDSL2 Ethernet Bridge Modem uses Conexant Accelity Packet CPE that fully complies ITU-T G.993.2 (VDSL2), G.993.1 (VDSL), ANSI T1-424, ETSI TS 101 270, and China MII VDSL standards. It supports aggregated data rates up to 100Mbps. It supports standard 10Base-T/100Base-TX Ethernet interface cards.

The Zhone 6610 seamlessly extends the high-speed Internet connection, or the existing Ethernet network, to any room in the building or house with a telephone jack. It provides up to 100Mbps speed access at distance up to 3.65 km by sharing the existing phone line with Plain Old Telephone Service (POTS). A serial connector (RS-232) is provided for user to connect a host computer to configure or view the link or configurations.

Technical Specifications

Power

- 12VDC, 800mA

Interfaces

- 1 x RJ11 - VDSL2 uplink
- 1 x RJ45 - 10Base-T/100Base-TX Ethernet
- 1 x RJ11 Built-in POTS filter
- 1 x RS232 interface for management
- 1 x ON/OFF Power Switch

Standards Support

- VDSL
 - ITU-T G.993.2 (VDSL2)
 - ITU-T G.993.1 (VDSL1)
 - ANSI T1-424
 - ETSI TS 101 270
 - China MII VDSL standard
 - Long-reach support US0 Band
 - ITU-T G.994.1 (G.hs) based hand shaking
 - Support Band Plan 998/997, and China Band Plan; Support 5 Band Plan up to 17.6MHz
 - EFM (IEEE802.3ah)
 - Extended US0 band up to 276kHz
- Ethernet Interface
 - IEEE 802.3/802.3u compliant
 - Support 10/100Mbps operation
 - Support half/full duplex operation
 - Support IEEE 802.3u clause 28-auto negotiation
 - Support Flow Control
 - Support Auto MDI/MDIX

Protocol Support

- ANSI T1.413 (Full Rate ADSL)
- ITU-T G.993.2 (VDSL2)
- ITU-T G.993.1 (VDSL)
- Profiles supported:
 - 8a
 - 8b
 - 8c
 - 12a

Management

- RS-232 Interface

Regulatory Compliance

- FCC Part 15/68
- CE
- RoHS Compliant

Operating Requirements

- Temperature
 - Operating: 0C to 40C / 32F to 104F
 - Non-Operating: -25C to 70C / -13F to 158F
- Humidity
 - Operating: 30% to 80% Relative Humidity (Non-Condensing)
 - Non-Operating: 10% to 95% Relative Humidity (Non-Condensing)

Ordering Information

6610-A1-200	VDSL2 BRIDGED MODEM, NA POWER
6610-A1-300	VDSL2 BRIDGED MODEM, UK POWER
6610-A1-302	VDSL2 BRIDGED MODEM, EURO POWER



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