

# ZyXEL



## Next Generation Modem for Triple-play Services

- IP-based VDSL2 Internet Access
- Support 3/4/5/6 bands
- Ultra-high speed upstream/downstream rates at up to 100/100Mbps



### Benefits

#### Ultra-high Data Rate at Up to 100Mbps

With up to 100Mbps\* for downstream and upstream bandwidths, the P-870M-I Series offers higher data transfer rates and provides bigger bandwidth than traditional ADSL gateways.

A bigger bandwidth allows small to medium business users to enjoy quality symmetric and asymmetric applications and home users can enjoy smooth media-rich entertainment which was previously unavailable.

#### Advanced QoS for Triple Play Services

The inherent advanced QoS features of VDSL2 makes P-870M-I Series to be an idea access modem for service provider to deliver "triple play" multimedia services such as high-quality digital video streams, high-speed Internet access, and voice services which are competitive to the services provided by cable and satellite operators.

#### Operate over Existing Copper Wires

Telecom carriers can generate revenues by offering bundled services to successfully compete with what cable operators have to offer. A single network can be maintained to provide complete DSL services with minimal installation time and expense.

#### Co-exist with POTS, ISDN and Digital Phone Services

VDSL can be implemented quickly, even if there is only one phone line. You can still keep existing POTS or ISDN services while adding new VDSL services.

VDSL2 Modem

P-870M-I SERIES



# VDSL



## Specifications

### VDSL Compliance

- Duplex Method: DMT
- One VDSL Line
- Ethernet over VDSL
- G.993.1 VDSL
- G.993.2 VDSL2 (Profile 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a support)\*
- Band Plan 997 and 998 support
- Support 3/4/5/6 band\*
- Support Up to 100Mbps downstream and 100Mbps upstream\*
- LR-VDSL2 support
- Power back-off

### Network Protocol

- IEEE802.3u
- Flow control in full duplex mode
- Back pressure in half duplex mode
- 802.11d transparent bridging
- NAT
- DHCP client

### Hardware Specifications

- VDSL: One RJ-11 or RJ-45 port
- LAN: One 10/100 Auto MDI/MDIX Ethernet Port
- RJ-11 Console Port
- Status LEDs indicator

### Power Requirements

- 9V AC 1000mA
- Power supply: 120V/230V/240V

### Physical Specifications

- Dimensions: 128 (W) x 180 (D) x 36 (H) mm
- Weight: 275g

### Environmental Specifications

- Operating Temperature: 0°C ~ 40°C
- Operating Humidity: 20% ~ 85% (non-condensing)
- Storage Temperature: -20°C ~ 60°C
- Storage Humidity: 20% ~ 95% (non-condensing)

### Certification

#### EMC

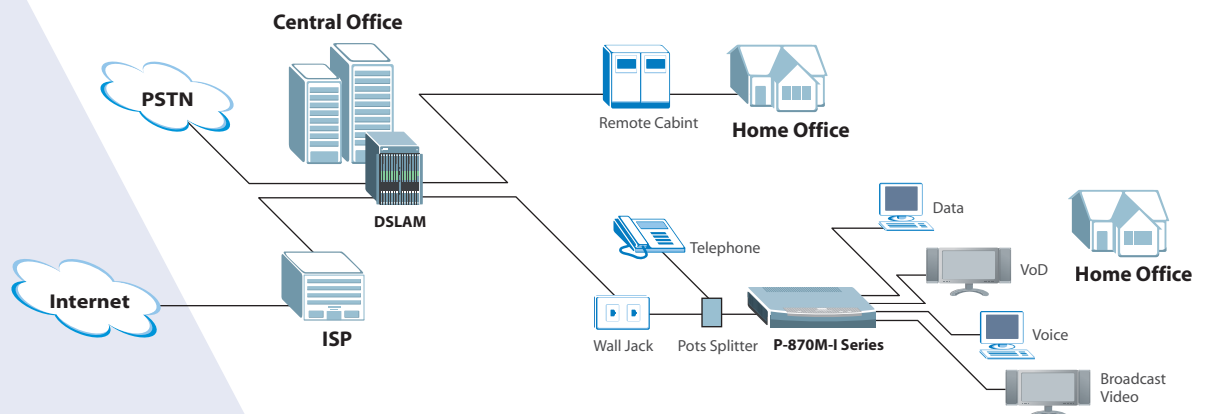
- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024 Class B

#### Safety

- CAN/CSA-C22.2 No. 60950-1-03
- ANSI/UL Std No 60950-1, 1st Ed.
- EN 60950-1, 1st Ed.
- IEC 60950-1, 1st Ed.

\* 100/100Mbps support upon request

## Application Diagram



For more product information, visit us on the web [www.ZyXEL.com](http://www.ZyXEL.com)

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