

# VDSL2 100-Mbps Bridge CPE

## Model 1069



Patton's 1069 VDSL2 CPE offers the extraordinary bandwidth of 100-Mbps symmetrical over ordinary telephone grade copper wire for delivering next-generation Triple Play services.

### Support of 100-Mbps Symmetrical Line Rate

Provides near fiber performance for bandwidth intensive applications such as Triple Play services.

### Operates Over Twisted Pair

Reduces the cost and hassles of new installations. Uses installed voice-grade twisted pairs to eliminate the expense of installing network or fiber cable

### Full VDSL2 Profile Support

Support for 8a, 8b,8c, 8d, 12a, 12b, 17a, and 30a. Band plans 997 & 998.

### On-board POTS/ISDN Splitter

Reliably connect to POTS/ISDN services. Allows for a smooth transition from traditional telephony to VoIP.

Patton's Model 1069 VDSL2 Modems leverage existing copper infrastructure, providing up to 100 Mbps symmetrical links over telephone grade twisted pair. Providing up to 100 Mbps of symmetrical data makes the Patton Model 1069 the perfect solution for delivering Triple Play communications services and other bandwidth-intensive applications.

The Model 1069 is fully compliant with the VDSL2 standards ITU-T G.993.1, G.993.2, ANSI T1.424 and ETSI TS 101 270-1, 270-2. Support for all VDSL2 profiles including 8a, 8b,8c, 8d, 12a, 12b, 17a, and 30a make the Model 1069 the ideal VDSL2 CPE for various MxU and FTTx type installations. An

on-board POTS splitter allowing users to download files from the Internet, surf the WWW, and answer e-mail messages while talking on the phone or faxing documents.

Configuration is a snap when used with Patton's Model 3324A VDSL2 Concentrator. Through the use of OAM (Object Access Method), the Model 1069 is fully configurable via the concentrator. The CPE will auto rate adapt to the highest available bandwidth allowable by the 3324A or profile set. The Model 1069 is fully compatible with any third-party VDSL2 compliant DSLAM.

Visit [www.patton.com](http://www.patton.com) to view our selection of CPE products.

Built-in POTS/ISDN splitter

Proven Patton design



Front panel indicators show operational status at a glance

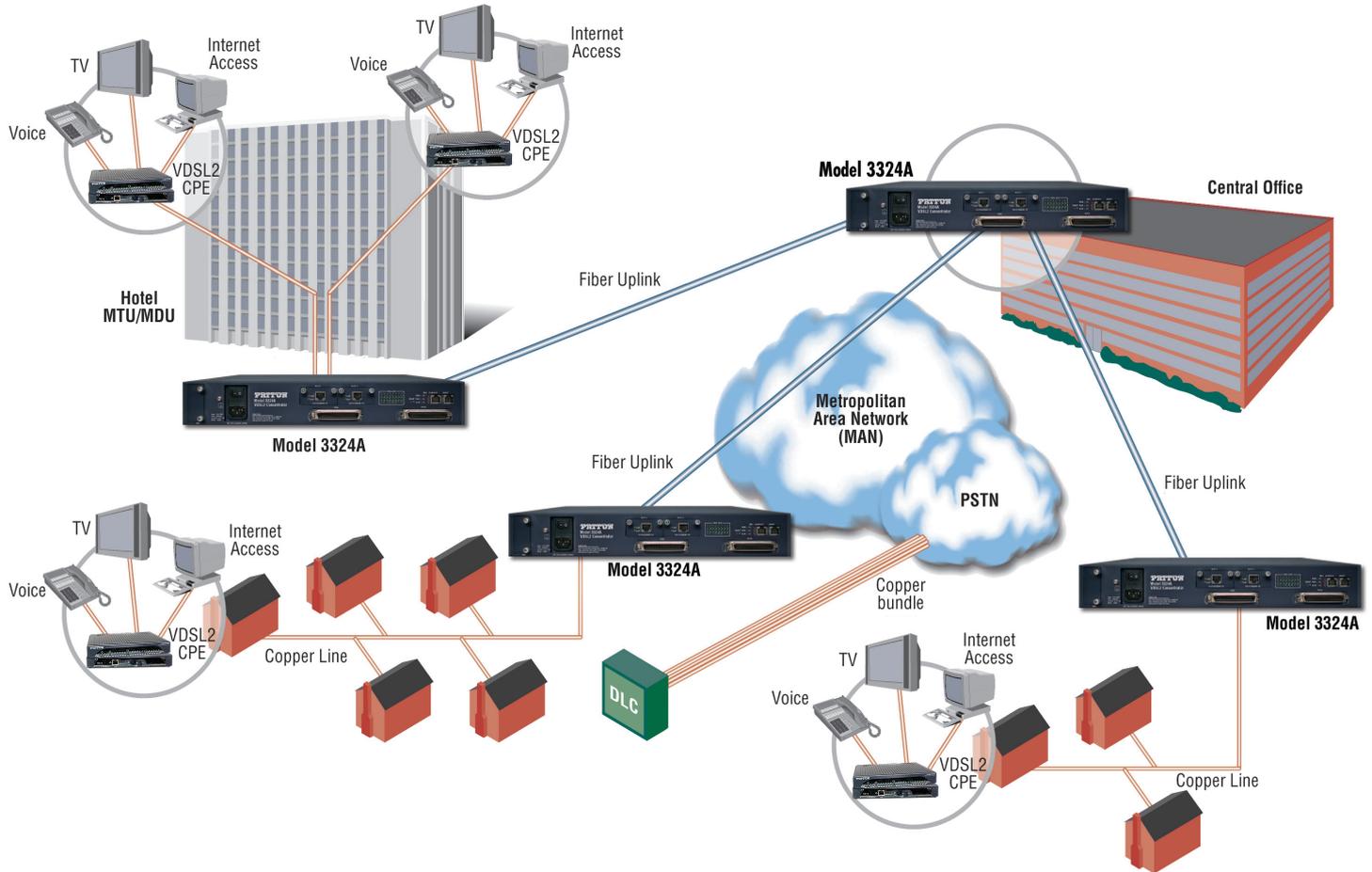
External AC/DC power

4 x 10/100 Ethernet with full-duplex operation

## Typical Deployment

Using Patton's or any third-party DSLAM, full-service high speed links can be routed through campus and various MxU environments. VDSL2 DSLAMs aggregate the IP services delivered from the ISP or service providers with the POTS delivered from the PSTN. The POTS and Ethernet signals are then aggre-

gated and sent over an existing 2-wire telephony grade connection. The Model 1069 VDSL2 CPE is placed in each room to split the signal back into Ethernet (data) and POTS/ISDN (voice) for delivery to the end-user. Port selectable data rates allow for a differentiation of services, and increased distance capabilities.



## Specifications\*

### VDSL2 Line Interface

RJ-45

### POTS-ISDN Interface

RJ-45

### Ethernet Interface

4 x 10/100;RJ-45

### Modulation

DMT per ITU-T G.993.2 • EoVDSL per 802.3ah with 64B/65B framing

### Profile Support

8a/8b/8c/8d/12a/12b/17a/30a  
Band Plans 997 and 998

### Transmission

Up to 100 Mbps symmetrical line rates

### Frequency Range

Up to 30MHz

### LED Indicators

Power, error, VDSL status, and Ethernet Uplink Status x 4

### Management

DIP switch or In-Band from DSLAM

### Power Supply

External AC: 120–240 VAC (50–60 Hz)  
or -48VDC (-42 to 56V)

### Compliance

EMC Directive 89/336/EEC, Low Voltage Directive 73/23/EEC; CE Mark

### Environment

Operating temp.: 50 to 122°C (10 to 50°C)

Humidity: 10 to 90%, non-condensing

### Dimensions

6.22L x 4.77W x 1.20H in.  
(157.99L x 121.16W x 30.48H mm)

### Weight

9.2 oz (261 g)

\* Specifications subject to change without notice.

**PATTON**<sup>®</sup>  
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07M1069-DS2

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