VDSL2 Media Access Concentrator

Model 3324A

The Patton Model 3324A makes it easier than ever to deliver cost-effective, triple-play services over existing twisted pair infrastructures.

Triple Play (Voice, Video, and Data Delivery)
Built-in voice splitters allow up to 24 lines of POTS/ISDN and Ethernet (Data) over a single twisted pair line

Extends Ethernet
Extends Ethernet distances up to 1 miles over 2-wire 24 AWG unconditioned lines

Full Function Layer 2 Switch
QoS, LACP, GVRP, IGMP, SNMP RMON, VLAN, Spanning Tree, Priority Queuing, Port Trunking

Flexible Ethernet Uplink Options
Dual auto-sensing 10/100/1000 full or half duplex Ethernet Uplinks

Easy to Monitor and Control
In-Band (RS-232 Console Port) and Out-of-Band Mgmt Capabilities (TELNET and HTTP)

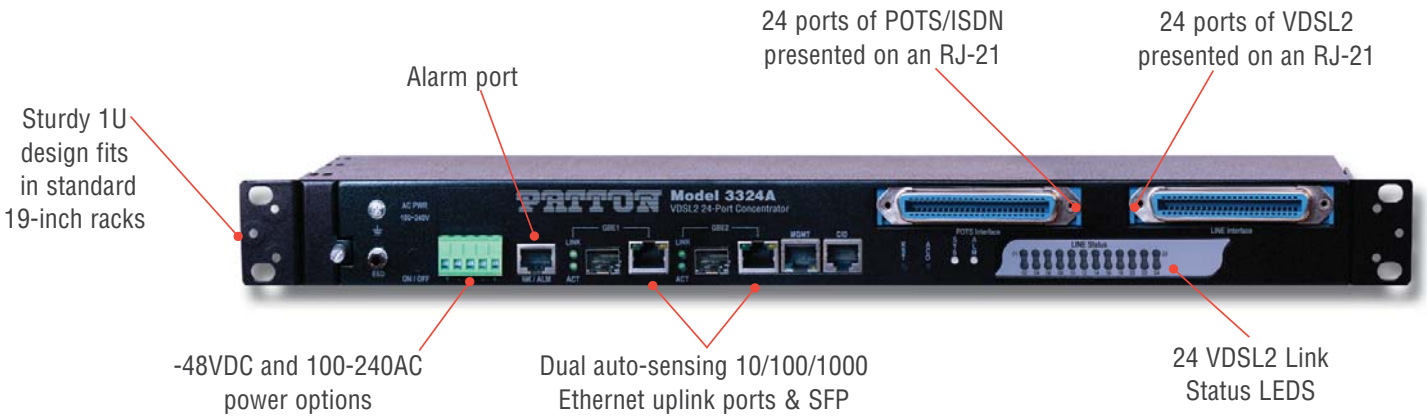
Compact 1U design
Easily installs into a standard 19" rack

The Patton Model 3324A VDSL2 Media Access Concentrator delivers cost-effective, triple-play services to small to medium enterprises, education facilities, medical facilities, and various MxU environments such as hotels and apartment complexes. The Model 3324A dramatically improves the performance of already installed twisted pair infrastructures by offering symmetrical network connections at speeds of 100 Mbps while simultaneously providing POTS/ISDN to the users on the same twisted pair wire.

The VDSL2 Media Access Concentrator is a full function Layer 2 switch. The 3324A's software suite includes: multicast, Layer 2 quality of service (QoS), Link Aggregation (LACP) dynamic trunking group, security, GVRP, IGMP for video on demand (VOD), and SNMP RMON management and Web-based switch network management. The Model 3324A includes two RJ45 auto-sensing 10/100/1000Base-TX Ethernet uplink port, and two RJ45/small form-factor pluggable (SFP) auto-sensing Ethernet port for trunking and cascading. For larger applications, up to four Model 3324A's can be cascaded with other 3324A Units to provide a scalable VDSL2 solution (96 port). A unique feature in the 3324A is a built in POTS/ISDN splitter. This feature enables voice and data services to be combined on to the same 2-wire VDSL2 link.

The Model 3324A 24-Port VDSL2 Media Concentrator is the ideal solution for the delivery of high-speed broadband and POTS/ISDN services.

Visit www.patton.com for more information.

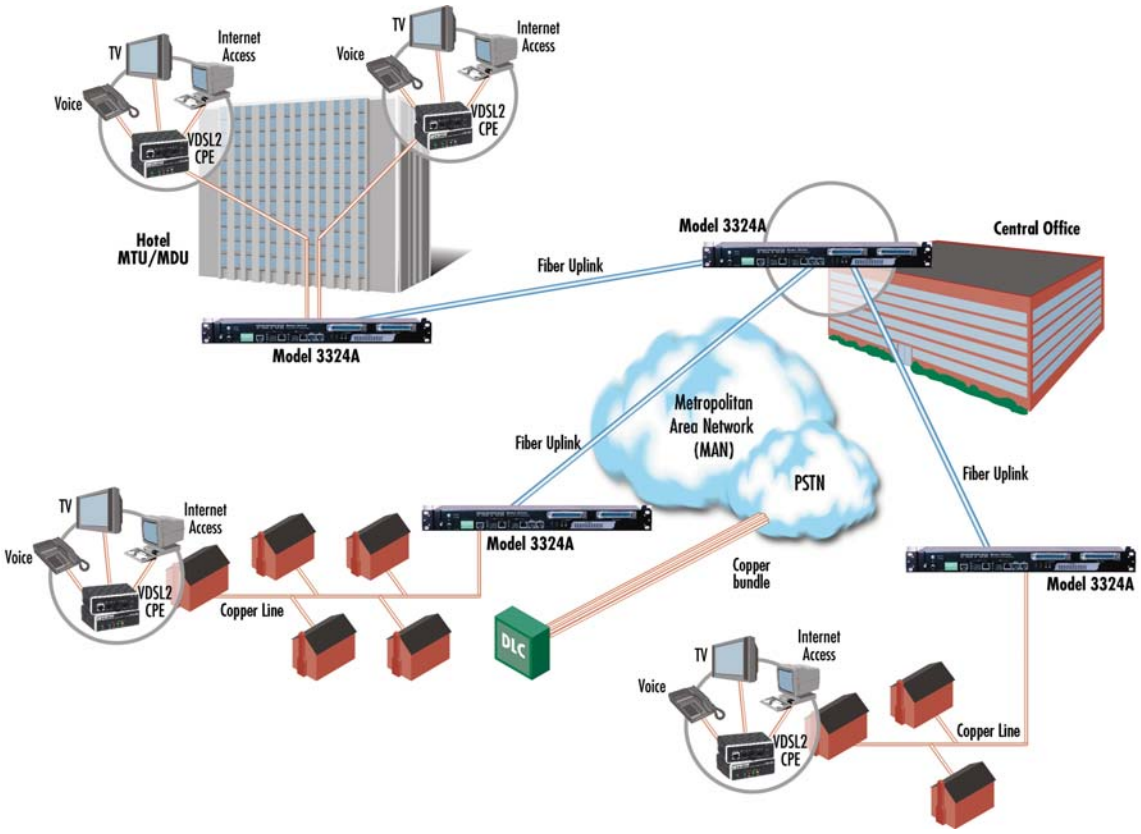


Model 3324A VDSL2 Media Access Concentrator

PATTON®

MTU/MDU Application

Using Patton's VDSL2 Media Access Concentrator, up to 24 full-service links can be routed throughout campus and various MxU environments. The Model 3324A aggregates the IP services delivered from the ISP or Service Providers with the POTS delivered from the PSTN. The POTS and Ethernet signals are then aggregated and sent over an already existing 2-wire telephony grade connection. The VDSL2 standalone unit is placed in each room to split the signal back into Ethernet (data) and POTS/ISDN (voice) for delivery to the end-user. Channel selectable symmetrical data rates up to 100 Mbps allow for a differentiation of services, and increased distance capabilities.



Specifications

VDSL2 Line Interface
24 ports presented on one RJ-21

POTS-ISDN Interface
24 ports presented on one RJ-21

Modulation
DMT (ITU-T G.993.2)

Profile Support
8a/8b/8c/8d/12a/12b/17a/30a

Transmission
Up to 100 Mbps symmetrical line rates

Frequency Range
Up to 30MHz

Management
In-Band/Out-of-Band (DB9 RS-232 Console, Telnet, or HTTP)

Ethernet Standards
802.1d (Spanning Tree), 802.1p (Priority Queuing), 802.1Q (VLAN Tagging), 802.3ad (Port Trunking), 802.3x (Flow Control),802.3 (Ethernet), 802.3u (Fast Ethernet), 802.3z (Gigabit Ethernet), IGMP snooping/proxy v1, v2, and v3

Management Standards
SNMP RFC-1493 Bridge MIBs, RFC-1213 MIB II, RFC-1643 Ethernet MIB & Enterprise MIB, RFC-1757 RMON MIB (RMON groups 1,2,3,9), RFC 2514, 2515 ATM MIB, RFC 2674 Q MIB, ADSL MIB, VDSL MIB

LED Indicators
Power, error, VDSL status, and Ethernet Uplink Status

Power Supply
Internal 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.: -40°-65°C (DC); 0°-60°C (AC)
Humidity: 10–90%, non-condensing

Dimensions
1.7H x 19W x 12L inches
(44H x 482W x 304 L mm)

Weight
12.5 lbs (5.66 kg)

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