ZYXEL

VES1724

24-port Temperature-Hardened VDSL2 Box DSLAM

Benefits

Compliant with ITU-T G.993.2, G994.1, G.997.1 and G.993.5 vectoring and bonding (VES1724-55C)

The VES1724 conforms to G.993.2, G994.1 and G.997.1 to ensure the interoperability with standard-compliant VDSL CPE.

Ultra high-speed transmission with 30a profile support

The VES1724 supports 30a profile with 100 Mbps in both upstream and downstream traffics. With two Gigabit combo ports to connect upper layer aggregation networks, the VES1724 can support low-concentration interconnection from the subscriber ports to the network interface ports.

*17a profile only when vectoring enable

Triple Play ready

The VES1724 supports IGMP snooping to prevent unnecessary forwarding of multicast traffic to all subscribers and thus optimizes bandwidth utilization for multicast applications such as broadcast video. The VES1724 also supports the multicast VLAN feature that distributes the source to all the VLANs requesting the video stream. With a built-in splitter over POTS, the VES1724 allows the operators to provide Triple Play services over the same copper wire.

- Fanless design that enables passive cooling to sustain temperature-hardened requirement
- Complies with VDSL2 standards including ITU-T G.993.2, G994.1 and G.997.1
- A 24-port DSLAM with downstream/upstream performance of up to 100/100 Mbps (30a profile)
- Comprehensive Triple Play functions
- Complete QoS for service differentiation
- VDSL2 bonding & G.INP

Complete QoS for service differentiation

The VES1724 supports not only 802.1X port-based access control for subscriber authentication, but also defines a limited number of MAC addresses that can access the network from a particular port. With rate limiting on the subscriber ports allowing services to take advantage of 64 Kbps increments, service providers will be in a better position to offer tiered services.

Specifications

System Specifications

- 16K MAC addresses
- 256 static MAC address filtering
- Port security
- Broadcast/Multicast/Destination lookup fail storm control
- Spanning tree protocol (IEEE 802.1D)
- QoS (IEEE 802.1P, 8 priority queues)
- Port-based and tag-based (IEEE 802.1Q) VLAN
- GVRP for automatic VLA membership registration
- Link aggregation (IEEE 802.3ad)
- IGMP snooping
- MVR
- RMON
- SNMP
- MIB II, RFC1493, 2674 and 1757 MIB, and private MIB
- Web management
- FTP for firmware upgrade
- CLI through Console port and telnet
- IPv6
- VDSL2 bonding
- ADSL2+ fallback & bonding
- G.INP (G.998.4)
- VDSL2 Vectoring (VES1724-55C)

Hardware Specifications

- 1U
- 19" rack mountable
- Front access:
  - One Telco 50 for 24 VDSL ports
  - One Telco 50 for 24 POST ports
  - 2-slot 100/1000 Mbps Ethernet uplink/downlink
  - 2-slot Gigabit fiber uplink/downlink (Combo)
  - Built-in POTS splitter supports 600 ohm ETSI
- AC and DC dual power (Power redundancy)
  - AC input: 100 VAC to 264 VAC, 60 Hz ±3 Hz
  - DC input: -36 VDC to -72 VDC
- Power consumption: 63 watts

Physical Specifications

- Item dimensions (WxDxH): 440 x 250 x 44.35 mm (17.32" x 9.84" x 1.75")
- Item weight: 4,700g (10.36 lb.)
- Packing dimensions (WxDxH): 550 x 395 x 175 mm (21.65" x 15.55" x 6.89")
- Packing weight: 5,300 g (11.68 lb.)

Environmental Specifications

Operating Environment

- Temperature: -40°C to 65°C (-40°F to 149°F)
- Humidity: 10% to 95% (Non-condensing)

Storage Environment

- Temperature: -40°C to 70°C (-40°F to 158°F)
- Humidity: 5% to 95% (Non-condensing)

Certification

- RoHS
- K.20
- ETSI300-019
- Safety
  - EN60950-1
  - CSA60950-1
  - UL60950-1
  - IEC60950-1
- EMC
  - FCC Part 15 Class A
  - EN55022 Class A

Model List

VES1724-56B2

VES1724-56B2

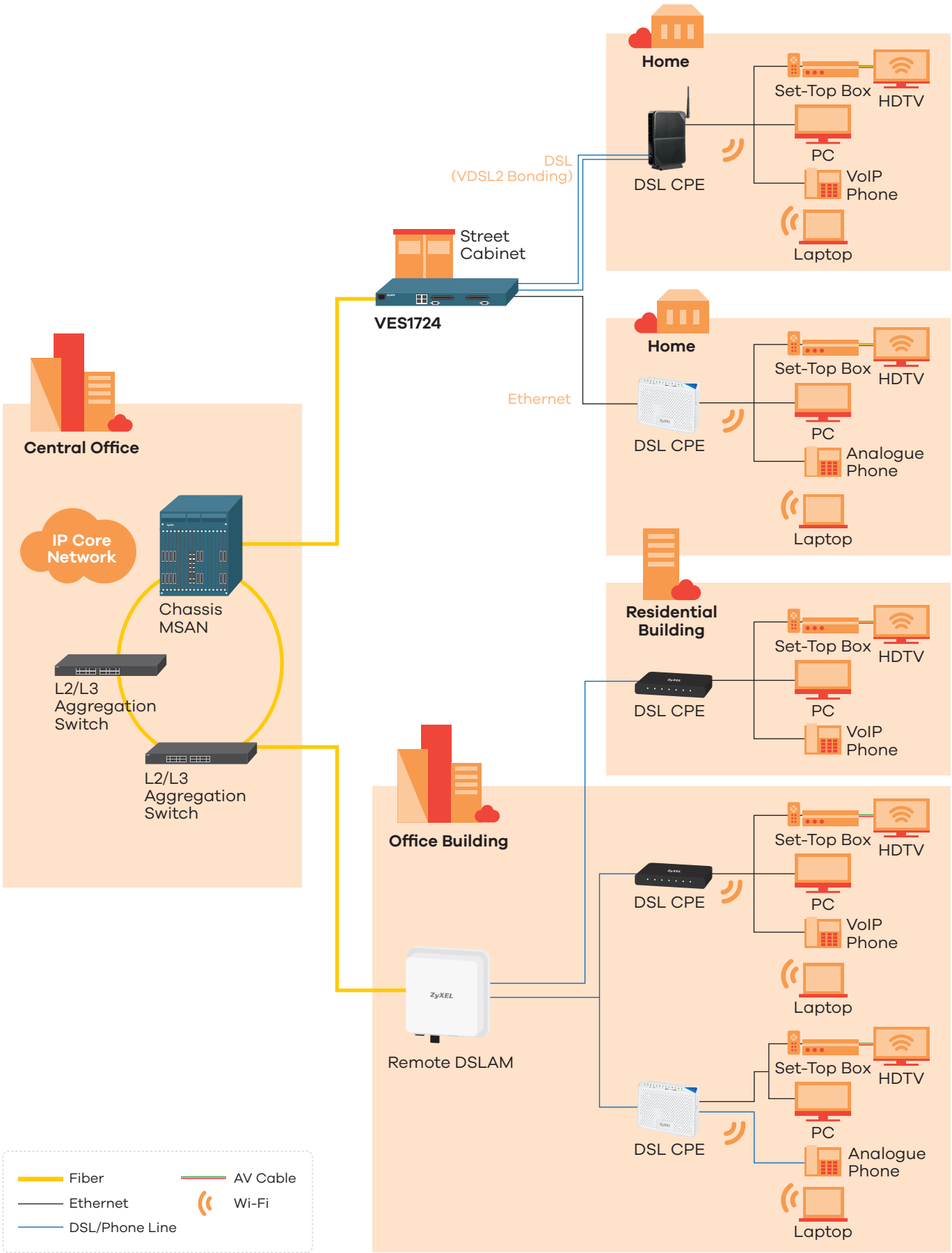
24-port VDSL2 DSLAM, with ETSI/ANSI splitter built-in, temperature hardened, dual power (-40°C to +65°C), fanless type

VES1724-55C

VES1724-55C (vectoring)

24-port VDSL2 DSLAM, with ETSI/ANSI splitter built-in, temperature hardened, dual power (-40°C to +65°C), fanless type

Application Diagram



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