



ACCADEMIA DI BELLE ARTI DI BRERA

ALLEGATO D - CAPITOLATO TECNICO **CARATTERISTICHE RICHIESTE PER GLI SWITCH L2**

GARA D'APPALTO INFORMALE RELATIVA ALLA FORNITURA, INSTALLAZIONE E MONITORAGGIO DI UNA RETE WIRELESS CONFORME AGLI STANDARD 802.11 A/B/G/N PER IL POTENZIAMENTO DELLA COPERTURA DELLA SEDE CENTRALE DELL'ACCADEMIA DI BELLE ARTI DI BRERA.

Performance:

- 16 Gbps switching fabric;
- 6.5 Mpps Forwarding rate based on 64-byte packets;
- 64 MB DRAM;
- 32 MB flash memory;
- configurable up to 8000 MAC addresses;
- configurable up to 255 IGMP groups;
- configurable maximum transmission unit (MTU) of up to 9000 bytes, with a maximum Ethernet frame size of 9018 bytes (Jumbo frames) for bridging on Gigabit Ethernet ports and up to 1998 bytes for bridging of Multiprotocol Label Switching (MPLS) tagged frames on both 10/100 and 10/100/1000 ports.

Connessioni ed interfacce supportate:

- 10BASE-T ports: RJ-45 connectors, 2-pair Category 3, 4, or 5 unshielded twisted-pair; (UTP) cabling;
- 100BASE-TX ports: RJ-45 connectors, 2-pair Category 5 UTP cabling;
- 1000BASE-T ports: RJ-45 connectors, 4-pair Category 5 UTP cabling;
- 1000BASE-T SFP-based ports: RJ-45 connectors, 4-pair Category 5 UTP cabling;
- 1000BASE-SX, -LX/LH, -ZX, -BX and CWDM SFP-based ports: LC fiber connectors (single/multimode fiber);
- 100BASE-LX, -BX, -FX: LC fiber connectors (single/multimode fiber).

Alimentazioni:

- supporto per alimentazione interna 100-240 VAC;
- possibilità di alimentazione ridondata (esterna o interna).

Indicatori:

- per-port status: Link integrity, disabled, activity, speed, full-duplex;
- system status: system, RPS, link status, link duplex, link speed.

Caratteristiche fisiche:

- dimensioni: una rack unit per 34cm di profondità massima;
- peso: massimo 5,7 Kg (senza alimentazione ridondata);
- operatività: da -5°C a +40°C;
- rumore: 48dBa max;
- MTBF: 243.277 ore;
- power rating: 0.470 kVA.

Standard supportati:

- IEEE 802.1D spanning tree protocol;
- IEEE 802.1p CoS prioritization;
- IEEE 802.1Q VLAN;
- IEEE 802.1s;
- IEEE 802.1w;
- IEEE 802.1x;
- IEEE 802.1AB (LLDP);



- IEEE 802.3ad;
- IEEE 802.3af;
- IEEE 802.3ah (100BASE-X single/multimode fiber only);
- IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports;
- IEEE 802.3 10BASE-T specification;
- IEEE 802.3u 100BASE-TX specification;
- IEEE 802.3ab 1000BASE-T specification;
- IEEE 802.3z 1000BASE-X specification;
- 100BASE-BX (SFP);
- 100BASE-FX (SFP);
- 100BASE-LX (SFP);
- 1000BASE-BX (SFP);
- 1000BASE-SX (SFP);
- 1000BASE-LX/LH (SFP);
- 1000BASE-ZX (SFP);
- 1000BASE-CWDM SFP 1470 nm;
- 1000BASE-CWDM SFP 1490 nm;
- 1000BASE-CWDM SFP 1510 nm;
- 1000BASE-CWDM SFP 1530 nm;
- 1000BASE-CWDM SFP 1550 nm;
- 1000BASE-CWDM SFP 1570 nm;
- 1000BASE-CWDM SFP 1590 nm;
- 1000BASE-CWDM SFP 1610 nm;
- RMON I and II standards;
- SNMPv1, SNMPv2c, and SNMPv3.

