

# AOE Switch E2324

## Datasheet



Next to our exhaustive portfolio of Broadband residential and business gateways, Allied Data Technologies is bringing a set of small sized central office solutions to the market. These solutions are excellent for relatively small size deployments with an optimum in price, functionality and performance. Our small “Pizzabox” sized solutions are designed to go well in combination with our residential and business gateways but are, through the use of open standards, highly interoperable with all common suppliers of broadband Customer Premises Equipment



The E2324 is a high performing Ethernet switch which is especially designed for the FttH and FttB market. The system offers up to 24 x 100Mbps connections via SFP modules. The system offers a very rich feature set (layer 2+) and extensively supports IGMP, QoS and Security which makes it an ideal platform to deploy new high bandwidth demanding services such as Video on Demand (VoD) and IPTV. The system supports several uplink modules for connectivity to the service provider metro and distribution network based on several 1G SFP modules.

### Key features

#### High Performance Switching

- 12.8Gbps high performance switching fabric
- 16K MAC address table
- Chip level Store-and Forward
- Powerful QoS with up to 8 priority queues and Layer 2~4 filtering functions.
- IGMP snooping and IGMP proxy
- Ingress and egress rate limit per port
- 4K VLANs

#### Excellent operating management Features

- Built-in SNMP agent enables the operator to control and manage the system by using EMS and or NMS
- SNMP, Telnet and Console interfaces

- Remote software upgrade via TFTP and FTP.
- LEDs for Power, Run, Link/Act per port and Fan
- Built-in Thermometer
- Low level noise

#### Various Interface

- Downlink Interface
  - 24 x 100Base-Fx (SFP based)
- 2 slots for Optional Uplink Interface Module
  - 1 x 1000Base-X (SFP)
  - 1 x Gigabit GPON
  - \* 1 CWDM port of uplink module occupying 2 slots

**19" Standard rack mountable**

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### Specifications

#### Layer 2

- 802.1Q VLAN (4K)
- 16K MAC
- Link aggregation (up to 6 groups, 8 port per group)
- Spanning Tree Protocol per VLAN
- Stacking up to 8
- Loop back sensing and blocking
- DHCP Relay with option 82
- Packet dump for analysis
- IGMP Snooping, IGMP querier, IGMP proxy
- Virtual Cable test

#### Security

- Layer 2~4 Packet filtering (ACL)
- NetBEUI / BIOS / NBT Packet filtering
- DHCP Packet filtering
- MAC Limit per port
- Ingress & egress rate limit per port by 1Mbps
- Broadcast / Multicast / DLF Packet blocking
- Port flood guard
- Loop detecting and blocking

#### Flow Control

- HOL blocking prevention, Back pressure, 802.3x
- WRED congestion control

#### QoS

- 802.1 p Traffic control
- 8 priority queues per port

- SPQ, WRR, WFQ

#### Operation

- Power: 85 ~ 240VAC, 50/60Hz or - 48VDC
- Power Consumption: Max 45W
- Operation Temperature: -20° C ~60° C
- Operation Humidity: 10~90% non-condensing

**Dimension:** 430 x 220 x 44.4 mm ( W x D x H )

#### Standards Compliance

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-TX
- IEEE 802.3z 1000BASE-X
- IEEE 802.3x Flow Control
- IEEE 802.1D Bridging
- IEEE 802.1d Spanning Tree
- IEEE 802.1p/Q
- RFC 768 UDP
- RFC 783 TFTP
- RFC 791 IP
- RFC 793 TCP
- RFC 792 ICMP
- RFC 826 ARP
- RFC 854 TELNET
- RFC 1213 SNMP MIB II
- RFC 1493 BRIDGE-MIB
- RFC 2233 IF-MIB
- RFC 2571-2575 SNMP
- RFC 2665 Ether Like-MIB
- RFC 1907 SNMPv2-MIB

