

E27xx – FttB Ethernet Product Family Datasheet

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The Allied Data Technologies E27xx series provides cost effective solutions for small sized Fiber to the Business deployments. The solution consists of Pizzabox sized Carrier Ethernet – Metro Ethernet NID's (E300 / C300), a FttH/FttB Optical Ethernet Aggregator (E2324) and a series of business Ethernet CPE's to terminate the business services at SMB offices.

The business Ethernet CPE's (Switches) share the same architecture, functionality and performance, differing only in the number of LAN and WAN ports. The products are designed with a Layer 2 focused network architecture and therefore support a rich L2+ functionality set for QoS, Security and Multi Media.

E2708

The E2708 is the smallest member of our carrier grade Ethernet devices. It is designed to terminate a non redundant Ethernet service from a B2B operator, with only a few local ports. It's design is very cost efficient and is ideally positioned for connecting an SMB to a Carrier Ethernet service.

Downlink Interface

- 8 x 10/100Base-Tx

Uplink Interface : 1 slot for Optional Module

- 1000Base-X(SFP)
- 100Base-X(SFP)
- 10/100/1000BaseT



Operation

- Power Adapter : AC 110/220V, DC 12V/2.5A
- Power Consumption : Max. 20 Watt
- Operation Temperature : 0° C ~40° C
- Operation Humidity : 0~90% non-condensing

Dimension: 240 x 170 x 30 mm (W x D x H)

Weight: Max. 1.2 kg

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E2716

The E2716 is a 16 port alternative to the E2708 when a few more local Ethernet ports are required. The device is still very dense and like the E2708 can be mounted against a wall or in a 19 rack with optional 19" brackets.

Downlink Interface

- 16 x 10/100Base-Tx

Uplink Interface : 1 slot for Optional Module

- 100 or 1000Base-X(SFP)
- 10/100/1000BaseT

Operation

- Power
 - PSE : AC 110/220V, DC 52V
 - Power Adapter : AC 110/220V, DC 12V/2.5A
- Power Consumption
 - AC adapter power : 22Watt, PSE Power : 27Watt
- Operation Temperature : 0° C ~40° C
- Operation Humidity : 0~90% non-condensing



Dimension: 250 x 180 x 40 mm (WxDxH)

E2724

The E2724 is for deployment in a redundant scenario or when more than 16 LAN ports are required. Up to 8 of these units can be stacked as one logical Ethernet switch for better management.

Downlink Interface

- 24 x 10/100Base-Tx

Uplink Interface : 2 slots for Optional Module

- 100 or 1000Base-X(SFP)
- 10/100/1000BaseT

Operation

- Power: 110/220VAC, 50/60Hz
- Power Consumption: Max. 33W
- Operation Temperature: -20° C ~60° C
- In build temperature sensor
- Operation Humidity: 0~90% non-condensing
- Noise: Max. 35dBA
- Rack mountable



Dimension: 430 x 245 x 44.4 mm (WxDxH)

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Key features

High Performance Switching

- 12.8Gbp high performance switching fabric
- 16K MAC address table
- Chip level Store-and Forward
- Powerful QoS with up to 8 priority queues
- Layer 2-4 filtering functions.
- IGMP snooping and IGMP proxy
- Ingress and egress rate limit per port (per 1 Mbps)
- 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
- Stackable up to 8 units (only for E2724 and E2324)
- Remote software upgrade via TFTP and FTP.
- LED's for Power, Run, Link/Act per port and Fan
- Low level noise

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

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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

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

