ALLNET

AL8084 8 Port Fast Ethernet Switch with 4 Ports POE

Features

8×10/100Mbps Auto-negotiation Fast Ethernet RJ45 ports with 4-port PoE function (port-1 ~ port-4)
Compliant with IEEE802.3af specification
Supports PoE power maximum 15.4W for each PoE ports
Supports PoE Powered Device (PD) classification identify
Each port supports auto MDI/MDIX, so there is no need to use cross-over cables or an up-link port
Full/half duplex transfer mode for each port
Wire speed reception and transmission
Store-and-Forward switching scheme capability to support rate adaptation and ensure data integrity
Up to 1K unicast addresses entities per device, self-learning, and table aging
96KBytes packet buffer
Supports IEEE 802.3x flow control for full-duplex mode ports
Supports Back-pressure flow control for half-duplex mode ports

Specifications

Standard
 IEEE 802.3 10BASE-T
 IEEE 802.3u 100BASE-TX
 IEEE 802.3af

Network Media
 10BASE-T Ethernet: UTP Cat. 3,4,5, Unshielded Twisted
Pair (UTP) Cable
 100BASE-TX Fast Ethernet: UTP Cat. 5, Unshielded
Twisted Pair (UTP) Cable
 PoE port: UTP Cat. 5, Unshielded Twisted Pair (UTP)
Cable

Protocol
 CSMA/CD

Topology
 Star

Number of Ports
 4 x 10/100Mbps Auto-negotiation, Auto-MDIX PoE ports
(port 1 ~ port 4)
 4 x 10/100Mbps Auto-negotiation, Auto-MDIX Fast
Ethernet ports (port 5 ~ port 8)

Network Data Transfer Rate
10Mbps (Half-duplex)   Ethernet:
20Mbps (Full-duplex)
1   Fast Ethernet: 00Mbps (Half-duplex)
200Mbps (Full-duplex)

PoE (Power over Ethernet)
 Up to 15.4W per port
 PD classification identify
 PoE Over Current Protection
 PoE Circuit sorting protection
 PoE Power on RJ-45 pin 3,6 for Power+ and pin 1,2 for Power-

Data RAM Buffers
 96KBytes per device
Filtering Address Table
 1K entries per device
Diagnostic LEDs
 Per Unit : Power (1LEDs)
 Per Fast Ethernet port : Link/Activity, Speed (2 LEDs)
 Per PoE port: PoE Status, Link/Activity, Speed (3 LEDs)
Power
 External Power Adapter
Power Consumption
 2.6 watts. (max. no PD device connected)
 65 watts (max. with 8 x 15.4w PoE Device connected)
Dimensions (W x H x D)
 171 x 98 x 29 mm
Temperature
 Operating: 0 ~ 40 $_o$C
 Storage: -10 ~ 70 $_o$C
Humidity
 Operating: 10% ~ 90% RH
 Storage: 5% ~ 90% RH
Emission
 FCC Class B
 CE mark Class B
 VCCI-B
Safety
 cUL (UL 60950)
 CB(IEC 60950)