16 Port 10/100Mbps PoE Switch

AI6016

Overview

The 16-Port unmanaged PoE Switch, with 16 10/100Mbit RJ45 ports, 1 Gigabit Combo and 1 Gigabit Ethernet RJ45 Port, model AI6016, reduces equipment and installation costs by delivering data and power over existing Ethernet cables to Power over Ethernet (PoE) enabled devices such as Access Points and IP Cameras. Boost office efficiency and reduce network congestion with a total switching capacity of 7.2Gbps. LED indicators display device status for easy power management and troubleshooting. An internal power supply reduces clutter. A convenient on/off button is located on the back of the switch.

Key Features

➢ **AI Extend:** 1-8 ports support 250 meters long distance power supply (should be use cat5e or cat6 cable)
➢ **AI VLAN:** Isolating ports 1-16 to each other can effectively suppress network storms and improve network performance.
➢ **AI QoS:** Customize application priority to improve network sensitivity. For example, video priority, monitoring transmission is more smooth
➢ **AI PoE:** Automatically detect the power receiving port, find the dead device, power off and restart the device
➢ 16-Port 10/100Mbps PoE port + 1 Gigabit Combo +1 Gigabit ethernet RJ45 port unmanaged PoE Switch
➢ 16-Port support power to PoE Powered Device
➢ Complies with the IEEE 802.3af/at standard
➢ Each Switching port support auto-negotiation-10/20,100/200Mbps (Fast Ethernet), 1000/2000Mbps (Gigabit Ethernet) support
➢ Support MAC address auto-learning and auto-aging
➢ Prevents packet loss with back pressure (Half-duplex) and IEEE 802.3x PAUSE frame flow control (Full-duplex)
➢ High performance Store and Forward architecture, broadcast storm control, runt / CRC filtering eliminates erroneous packets to optimize the network bandwidth
➢ Non-blocking switching architecture that forwards and filters packets at full wire-speed for maximum throughput

Technical Specification

Fast Ethernet Ports	16 10/100Base-TX RJ-45 Auto-MDI / MDI-X ports
Gigabit ports	1 Gigabit combo,1 Gigabit ethernet RJ45 port
Power over Ethernet ports	16-Port with PoE function
Switch Processing Scheme	Store-and-Forward
Switch fabric	7.2 Gbps
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimensions	280 x 180 x 44 mm
Weight	2.3kg
Power Requirement	100-240V AC, 50-60 Hz
Temperature	Operating: 0~50 ° C Storage: -40~70° C
Humidity Operating	5% to 90%, Storage: 5% to 90% (Non-condensing)
Warranty	1 year
PoE Standard	IEEE 802.3af/at Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48V DC, Max 30 watts
Power Pin Assignment	1/2(+), 3/6(-)
Power dissipation	150 watts
Certifications	FCC , CE, ROHS

User Guide

1.Check the PoE switch

(1) Please check the enclosure, RJ45 ports, LED indicators, sure they are ok.

(2) Connect the PoE switch with power, make sure the initialization of PoE switch is

available as below:

POE indicator is off at the beginning when power connected

PWR indicator is on and keeps
Other green indicators will be on, then off after one or two seconds

2.Connection cables

(1) Connected the PoE switch to PD(like IP camera, wireless AP) by CAT5 or 6 cables

(2) Connected the power cord to AC plug

Caution

1) All operation should be provided only by a qualified service technician.

2) Make sure your PoE devices comply with IEEE 802.3af/at.

3) Make sure the power is off before unplugging the power adapter.

4) Makes sure all PoE PDs power consumption is less than total power

5) Please avoid any heavy thing placed on the Switch.

6) Please keep this PoE switch away from water.

7) Avoid using this product during an electrical storm. There may be a remote risk of

electric shock from lightning.

8) It is for indoor use.

9) Cutting power during a firmware upgrade can damage your device.

10) Disassemble or tear up the warranty sticker without warranty void.