

SD4P4U

8+1 port 10/100 Switch with 4 x PoE IEEE802.3af ports & 5 x 10/100Mbps ports including uplink

Overview:

Designed for usage with Power over Ethernet (PoE) devices, the SD4P4U switch provides up to 15.4W of power to 802.af PoE compatible devices connected to the switch's PoE ports. The switch allows these devices to draw power from the switch and remove the need for a power adapter. Some devices that support 802.3af are Wireless Access Points, IP Phones and IP Cameras. The switch's ports automatically negotiate between 10BASE-T and 100BASE-TX network speeds, as well as between full and half duplex modes, so that any port can connect to a Fast Ethernet or Ethernet network. The ports also support Auto MDIX, allowing the automatic detection of a straight through or cross-over cable.



Key Features and Benefits:

- Standard IEEE802.3af support

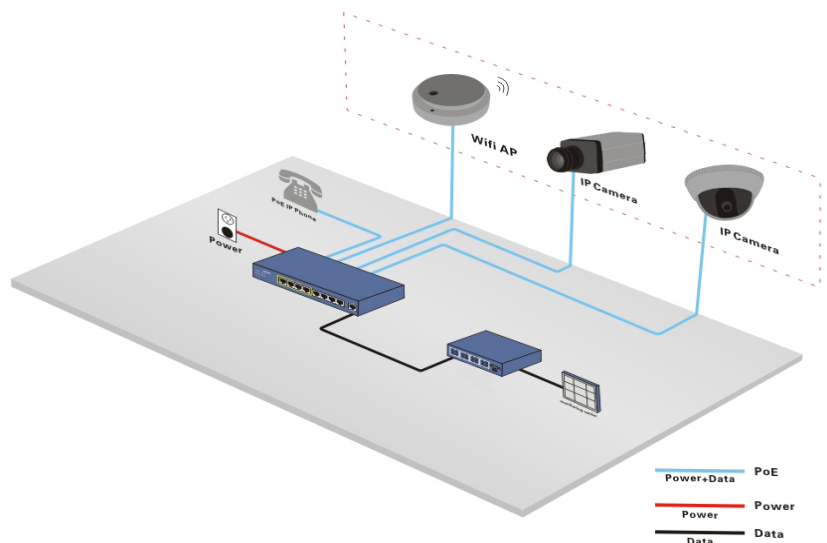
With the support of IEEE802.3af and the usage of PoE there are several advantages. With PD (Powered Devices) which are either located in locations with difficult access areas or areas where cable density would not be ideal. The PoE switch offers a solution due to the removal of the need for a power outlet to be dropped to the location of the device. There is also a benefit with the use of an uninterruptible power supply that can be placed only on the PoE switch itself instead of at each device. This increases the reliability of the network and ultimately decreases the maintenance and deployment cost. The 802.3af port on the switches also offers automatic detection of a PD (Powered Device). The switch will be able to determine if power is to be supplied to any of the PoE supported ports. This helps in the reduction of power used by the switch.

- Metal Chassis Construction

The metal construction of the chassis allows for a more secure and reliable installation. The heat dissipation for the unit is increased allowing for a higher reliability over common plastic chassis. The metal construction also increases the units durability by not being as prone to cracking or melting if there is a power surge or other electrical problem.

- Wall and Desktop Mounting

With the compact design the unit can be placed easily in many locations. The unit also can be mounted to a wall or under a desk or other object with the wall mounting kit which easily aids in the placement of the unit where you may need it.



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- **RJ45 Port Alignment:**

The SD4P4U is designed with the RJ-45 ports on the unit rotated from a more traditional configuration to one that allows the RJ-45 cable's connector to have its release tab on the top of the switch. The advantage here is in wall mounted installations where the switch is physically anchored with the release tab on the bottom, the access to the removal of the cables are difficult without dismounting the switch. With the top aligned tab the cabling can be easily access for reconfiguration of for troubleshooting.

Specifications

- **Performance**

- Switching Capacity: • 1.6 Gbps
- MAC Address Table Size: • 1K MAC address entries per device
- Buffer Memory: • 96 KB
- Networking Standards: • IEEE802.3i 10 BASE-T;
IEEE802.3i 100 BASE-TX,
IEEE802.3x flow control;
IEEE802.3af / IEEE802.3at

- **Ports & Port Features**

- RJ-45 10/100Base-T: • 4 x 10/100Mbps PoE Ethernet Ports
5 x 10/100Mbps Ethernet Port
- PoE Features: • Up to 15.4W per PoE port
PoE pin pairs 1/2 and 3/6
- Forwarding Mode: • Store and Forward
- Flow Control: • Half-duplex back pressure and
IEEE802.3X full-duplex flow control
- LED Indicator: • System: Power, PoE max. power;
Per port: Link, speed, PoE active,
PoE error
- Minimum Cable Requirement: • UTP cat5 or higher

- **Warranty and Support**

- Warranty: 3 Years
- Support: Free technical support (phone/email)

- **Electronic Features & Electrical Emissions**

- Emissions: • CE, FCC
- Power Supply: • 48V
- Power Consumption: • Total power consumption: 70W
Total PoE power budget: 60W

- **Environmental Parameters**

- Operating Temperature Range: • 32° to 104° F (0° to 40° C)
- Storage Temperature Range: • 14° to 158° F (-10° to 70° C)
- Operating Humidity Range: • 20%-85%, Non-condensing

- **Physical Features, Dimentions & Weight**

- Width x Depth x Height: • 220 x 105 x 30 mm
8.6" x 4.1" x 1.1"
- Weight: • 2.8lbs(1270g)
- Case Material: • Metal
- Mounting: • Desk or Wall Mount