

Subject: UDS1100-PoE One Port Device Server with Power over Ethernet

Author: Brian Tutor

Created: May 11, 2007

Last Updated: May 11, 2007

Q1: What is Power over Ethernet (PoE)?

A1: Declared as an official standard in 2003, Power over Ethernet (PoE) is the technology that allows delivery of power over normal Ethernet Cat 5 cables. The current standard (802.3af) utilizes power sourcing equipment (PSE) and the powered device (PD).

There are two types of PSE equipment:

- Endspan – A PoE enabled switch. Typically used in new installations. A PD such as the UDS1100-PoE can be directly powered by an Endspan device
- Midspan – Used with non-PoE enabled switches to “inject” the required power into the Cat 5 cable

Q2: Is the UDS1100-PoE 802.3af compliant?

A2: Yes. The UDS1100-PoE supports power input from both Midspan and Endspan sources.

Q3: What are the advantages of a PoE enabled device server?

A3: There are several advantages to a PoE enabled device server:

- No need to run separate power to remote locations
- No need for external power supply unit
- Improved reliability (no power supply failure)
- Simpler deployment
- Utilize existing PoE infrastructure (also used for Wireless access points, Voice over IP (VoIP) and web cams)
- Device Server can be easily moved

Q4: Can the UDS1100-PoE use the same power supply as the standard UDS1100?

A4: No. The UDS1100-PoE does not support an external power supply.

Q5: Does the competition have functionality similar to the UDS1100-PoE?

A5: Yes, there are other devices servers that support PoE, however, the UDS1100 is a more cost effective solution.