



Power Over Ethernet Adapter

The DWL-P100 Power Over Ethernet (PoE) adapter is designed to supply operational power to wireless LAN devices such as access points, bridges and routers. It enables power current to travel on the Ethernet network cable, thus eliminating the need to directly connect a power supply to the wireless LAN device.

Facilitates Installation

The Power Over Ethernet allows you to install the wireless LAN device at places such as on a building rooftop, on or near a ceiling, or other difficult places where power is not easily accessible. The idea is to increase the usefulness of your wireless LAN to provide connectivity to users regardless of their proximity to a power outlet or a network cable.

Data and DC Power Transmission on the Same Network Cable

On a standard UTP Category 5 cable, only two pairs (pins 1, 2, 3 and 6) are used for Ethernet data transfer. Power Over Ethernet is designed to take advantage of the unused pins of the remaining pair of cable wires. Consequently, a single Category 5 cable will now carry both Ethernet data and DC power. The idea is to supply the remote end with power and the requirements of Ethernet connectivity via a single Cat 5 cable.

Base Unit and Terminal Unit

The DWL-P100 includes a base unit and a terminal unit. At one end, the base unit inserts DC voltage into the unused wires (pins 4, 5, 7 and 8) of the network cable. At the other end, the terminal unit splits the data and DC power apart. Data signals continue to travel on remaining network cables, while DC power is fed into the power adapter, which connects to an AC power outlet.

Key Features

- Provides DC power over existing Category 5 cable to wireless LAN device
- Cuts costs and provides convenience
- Transforms incoming AC power into low-voltage DC power
- 1 base unit and terminal unit provide power to 1 wireless LAN device
- Protects wireless LAN device from possible power-surges

DWL-P100

Technical Specifications

Wireless LAN

Power Over Ethernet Includes

- 1 base unit
- 1 terminal unit

Category 5 Pin Power Usage

- Data: pins 1, 2, 3, 6
- Power: pins 4, 5, 7, 8

Output Voltage

- Input: 48VDC, 400mA
- Output: 5VDC, 2.5A

Ethernet Cable

- Data rate: 10/100Mbps
- TIA/EIA 568 Cat. 5
- Connector: RJ-45

Dimensions

- Base unit: 53 x 42 x 25 mm
- Terminal unit: 80 x 53 x 25 mm

Operating Temperature

0° to 40 °C

Storage Temperature

-20° to 70 °C

Operating Humidity

Up to 90% non condensing

EMI Certification

- FCC Part 15 Class B
- CE Class B

Power Adapter Safety Certifications

- UL
- TUV

Box Includes

- Power Over Ethernet base unit
- Power Over Ethernet terminal unit
- AC to DC power adapter - DC power cable
- Quick Installation Guide
- Ethernet cable



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Ordering Information

DWL-P100 Power Over Ethernet

Please specify your order as follows:

DWL-P100/A	US standard power adapter
DWL-P100/B	UK standard power adapter
DWL-P100/E	EU standard power adapter
DWL-P100/N	Australia standard power adapter
DWL-P100/CN	For China

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RECYCLABLE
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