



## PRODUCT DETAILS

The PoE-PD splits power and network data from a Power over Ethernet (PoE) input. This eliminates the need for additional AC power outlets near the powered equipment, therefore minimizing the costs associated with both new and existing installations.

The network data is passed from the PoE-PD via a RJ45 network connector.

With the PoE power and network data split, the unit acts as a 5 Volt DC regulated power supply to a pair of USB receptacles and is capable of providing up to 2.0 amperes combined. The USB receptacles can be used to power a USB peripheral or charge a tablet.

Both USB receptacles operate as a USB Charger with a Direct Charge Port, as defined by the USB Battery Charging specification r1.2. The USB receptacles provide power only.

Each USB A receptacle can optionally be configured to operate as an iPhone/iPad charger, via a set of internal jumpers.

The PoE-PD is a Class 0 device. A Class 0 device presents a load of up to 12.95 watts to a PoE Switch, which requires that the attached USB accessories draw no more than 2 amperes between the two receptacles.

### Ports/Connectors:

- 2 x USB A port (power output only: 5 VDC at 2.0A)
- 1 x RJ45 LAN port (to wired Ethernet connection)
- 1 x RJ45 LAN port (to PoE Network Switch)
- 2 x 6-pin Charger Configuration jumpers (internal)

### Dimensions:

- Depth: 3.3 inches (83 mm)
- Width: 3.8 inches (97 mm)
- Height: 1.7 inches (44 mm) - with standoffs
- Weight: 6.8 oz (192 g) - shipping
- Weight: 4.3 oz (122 g) - device only

## INSTALLATION

1. The Lava PoE-PD ships with a black case, an Installation Guide, but no CD.
  2. The Lava PoE-PD unit is configured at the factory for use with Android tablets, Raspberry Pi, etc
  3. To use the unit with Apple iPads [TM] you must do the following:
    - Use a screwdriver to unscrew the four [4] screws on the base of the unit
    - Take off the top of the PoE-PD case
    - Change the internal jumpers, see Expanded Jumper Block #2
- NOTE: Make sure you replace and push the jumpers all the way down, before screwing the top back on.
3. There are two [2] Ethernet RJ 45 connectors on one side. The middle RJ45 connector "MUST" be used for the PoE connection.
  4. When PoE power is applied, the red Power Indicator LED is lit.
  5. You can use either 1 or 2 USB devices with the Lava PoE-PD unit, but the total draw must be 2 amps or less.
  6. The other / outside RJ connector can be used for a standard Ethernet connection.
  7. You may use any standard, Ethernet Cat 5/5e/6 cable with the Lava PoE-PD unit. Lava strongly suggests using Ethernet cables from a reliable dealer.
  8. There are two [2] USB connectors on the other side. The USB receptacles can be used to power a USB peripheral or charge a tablet. The USB receptacles provide "power only".
  9. Lava strongly suggests using USB cables from a reliable dealer.

### Expanded Jumper Block #1

The default jumper positions shown in the diagram, sets each receptacle to operate as a USB (DCP) Charger.

### Expanded Jumper Block #2

The jumpers can optionally be change to the following for Apple iPad [TM] operation.

