

Ag5500

60W Power Over Ethernet Module (PoE ultra)

V1.2
June 10



- **Up to 60 Watt Output Power**
- **IEEE802.3af compliant signature**
- **Small size 57.9 x 61 mm (1/2 Brick)**
- **Power received on all 4 pairs**
- **87% efficiency DC/DC converter**
- **Adjustable output voltage (9-30V)**
- **1500V isolation (input to output)**
- **Input voltage range 37V to 57V**
- **Minimal (low cost) external components required**
- **Overload, thermal and short-circuit protection**
- **Simple integration**

The Ag5500 is a PoE ultra module that can deliver, up to 60 Watts of output power to the Powered Device (PD). This is ideal for many types of IP products that require more power than standard power

over Ethernet can provide. Possible applications include WIMAX, PTZ cameras, video phones, network drives, thin clients etc.

The unit will accept power from a single compatible 60W PSE. The PSU conforms to the IEEE802.3af standard for signature recognition and class programming. This allows the PSU to work with off the shelf PoE ultra PSE's from various manufacturers.

The high efficiency DC/DC converter operates over a wide input voltage range and provides a regulated low ripple and low noise output. The DC/DC converter also has built-in overload, thermal and short-circuit output protection. This PSU supplies two 12V outputs which can be connected in series or parallel.

The Ag5500 comes in a standard “1/2 brick” format and has location holes for heat sink mounting.

