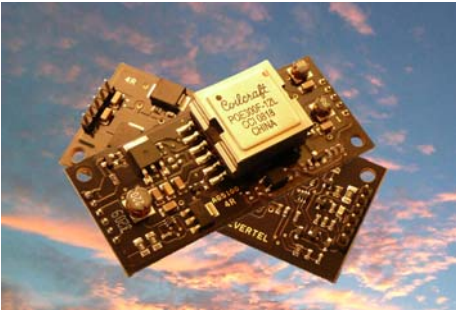


Ag5100

V2.3
October 09

Low Cost High Power Over Ethernet Module (PoE+)



- **Compatible with IEEE 802.3af & at**
- **Up to 30 Watt Output Power**
- **85% efficiency DC/DC converter**
- **Adjustable output voltage.**
- **1500V pk 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 Ag5100 is a cost effective PoE+ module that can deliver up to 30 Watts peak of output power. This is ideal for applications such as IP Telephones, WiMAX access points, PTZ cameras, door entry systems and remote computer terminals.

The Ag5100 is compatible with both the IEEE 802.3af and the 802.3at standard for signature recognition and class programming. This allows the module to work with both types of Power Sourcing

Equipment (PSE) units both mid-span and end-span injectors.

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.

The output voltage is programmable and provides values between 9 and 30V.

The Ag5100 also includes a 1500V isolation required for IEEE802.3 safety specification, and to help prevent earth loops.

This module is designed for simple integration and only requires the addition of a few low cost components; two diode bridges and electrolytic capacitors on the DC output.

