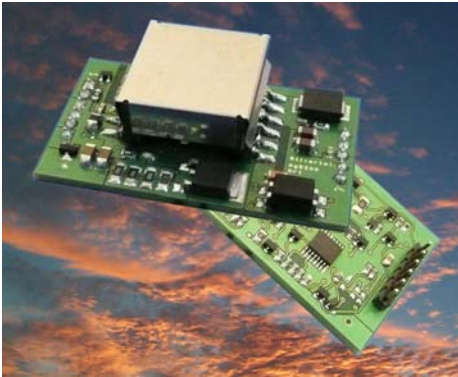


# Ag5200

V1.2  
October 12

## Low Cost High Power Over Ethernet Module (PoE+)



- **POE + module compliant with IEEE 802.3af & at**
- **Up to 30 Watt Output Power**
- **High efficiency DC/DC converter**
- **Small package size :**  
51mm(L) x 30mm(W) x16mm(H)
- **Adjustable output voltage**
- **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**

Silvertel's Ag5200 is a very cost effective PoE+ module for delivery of up to 30 Watts of output power. This is ideal for IP Telephone, Wireless Access Point, PTZ camera, door entry system and remote computer terminals applications.

Ag5200 is compatible with both the IEEE 802.3af and 802.3at standards for

signature recognition and class programming. The module works with both types of Power Sourcing Equipment (PSE) units - mid-span and end-span injectors.

The high efficiency DC/DC converter operates over a wide input voltage range to provide a regulated low ripple, low noise output. The DC/DC converter also has built-in overload, thermal and short-circuit output protection.

The output voltage is programmable for values between 10.7V and 12.75V.

The Ag5200 also includes 1500V isolation as required for IEEE802.3 safety specification and to help prevent earth loops.

The module is designed for simple integration, requiring the addition of just a few low cost components; two diode bridges and electrolytic capacitors on the DC output.

