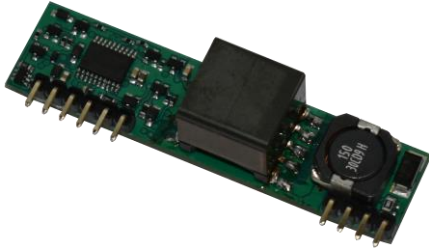


# Ag5400

V1.0  
October 2020

High Efficiency, 30W, Power Over Ethernet PD Module



- **POE+ module compliant with IEEE 802.3af & .at (.bt Classification)**
- **High efficiency DC/DC converter (typ. 93.3%)**
- **Up to 30 Watt Output Power**
- **5V, 12V or 24V output voltage**
- **1500V isolation (input to output)**
- **Input voltage range 37V to 57V**
- **Adjustable output voltage**
- **Industrial Temperature Range**
- **Overload, thermal and short-circuit protection**
- **Pin & Size Compatible with Ag5300 product family**
- **Small package size :**  
**SIL - 57mm(L) x18mm(W) x14mm(H)**
- **Simple integration**

Silvertel's Ag5400 is a Single-in-Line (SIL) PoE+ module delivering up to 30 Watts of output power. This new high efficiency design exhibits reduced losses in a compact form factor. This is ideal for any application where space is at a premium or where high ambient temperatures exist. The Ag5400 can be used in IP Telephones, Wireless Access Points, PTZ cameras, Door Entry systems and remote computer terminal applications.

The Ag5400 is compatible with the IEEE802.3af, .at and .bt standards. With fixed classification, Class 4, the module works with both types of Power Sourcing Equipment (PSE) units - mid-span and end-span injectors. A high efficiency DC/DC converter operates over a wide input voltage range to provide a regulated low ripple, low noise output. The module possesses built-in overload, thermal and short-circuit output protection.

The 'AT Detection' flag output allows the equipment to identify that it has been connected to a PSE that can supply full power.

Three variants are available with either 5V, 12V or 24V output and the ability to adjust this output up or down.

The Ag5400 includes 1500V safety isolation as required by IEEE802.3 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 on the input side and an electrolytic capacitor on the output).

