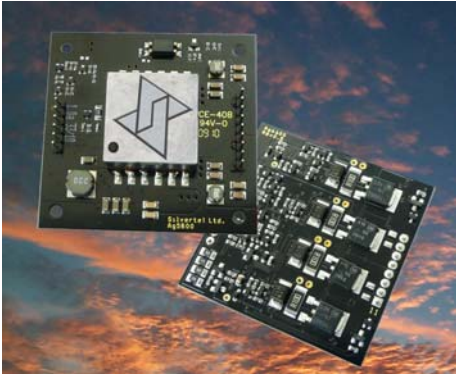


Power over HDbaseT (PoH)



- **Up to 100W**
- **Small size PD half brick.**
- **PoH Standard signature detection**
- **Overload and short-circuit protection**
- **1500V isolation (input to output)**
- **Minimal external components**
- **Simple integration**

The Ag6600 and Ag5600 are the Power Sourcing Equipment (PSE) and Power Device (PD) pair for supplying 100W over Ethernet cable. These modules conform to the Power over HDbaseT (PoH) standard.

The Ag6600 is a PoH (100W) power injector for use on conventional twisted pair Category 5e or 6 Ethernet cable. The Ag5600 is the device for the powered side that provides the signature and voltage conversion to power the equipment. This is a total solution which includes 1.5kV isolation, PoH signature and our own DC to DC converter design. The high wattage of this unit allows it to power LCD TVs, computer monitors and video

projectors.

The Ag5600 has on-board μ -controller to monitor multiple parameters, including the input voltage, output current and output diode temperature. If any of these parameters go outside of the modules specification the μ -controller will automatically shut the DC/DC output off within 10ms. It will monitor the status and normal operation will not resume until the parameter returns within specification.

The Ag6600 is a high Power Sourcing Module (PSM) that can deliver up to 100 Watts of output power. This POE pair uses the standard PoH smart signature used to detect that it is connected correctly and not to any much lower power IEEE802.3af or IEEE802.3at devices.

Silvertel design and manufacture a range of PoE devices covering various power options from 12 to 200W.

Ideal applications:-

Computers, monitors, digital displays, HD DVDs, HD TVs, Retail media servers, Information displays

