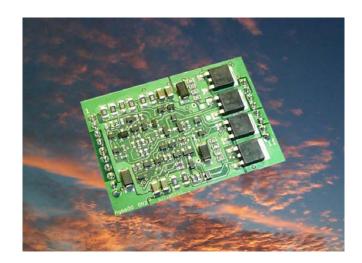# Ag6600 HDBT™ Power

Power Sourcing Equipment for Power over HDBaseT (PoH)

- **PoH Compliant 100W PSE Module**
- **Small size – 35mm x 51mm**
- **High Efficiency**
- **PoH Standard signature recognition**
- **Backwards compatible to IEEE 802.3af and 802.3at devices**
- **Overload and short-circuit protection**
- **Minimal external components**
- **Simple integration**

Silvertels' Ag6600 is a 100W Power Sourcing Equipment (PSE) module that conforms to the Power over HDBaseT (PoH) standard. It can be used with any POH compatible device including equipment with Silvertels' AG5600 POH Powered Device module built in, as well as being backwards compatible with 802.3af and at devices.
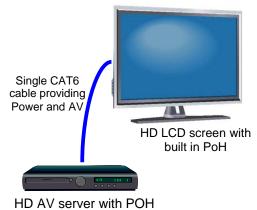
The Ag6600 power injector can be used on conventional twisted pair Category 5e or 6 Ethernet cables, reading the signature and class of any compatible connected device and supplying the appropriate power to it.

The high output provided by PoH allows it to power a range of audio-visual equipment, digital signage, Point-of-Sale systems, LCD TVs, computer monitors and video projectors.

The on-board µ-controller monitors multiple parameters, any of which exceeding their specifications will automatically cause the output to cut off within 10ms. Continuous monitoring ensures normal operation will not resume until the parameter returns within specification.

The Ag6600 PSE delivers up to 100 Watts of output power to the end user device. The PSE/PD pair use the standard PoH smart signature to detect correct connection as opposed to lower power IEEE802.3af or IEEE802.3at devices.

Silvertel design and manufacture a range of PoE devices with options from low power 802.3af up to 200W. Typical high power applications:- Lighting, computers, monitors, digital displays, HD DVDs, HD TVs, media servers, information displays etc.

Single CAT6 cable providing Power and AV

HD LCD screen with built in PoH

HD AV server with POH