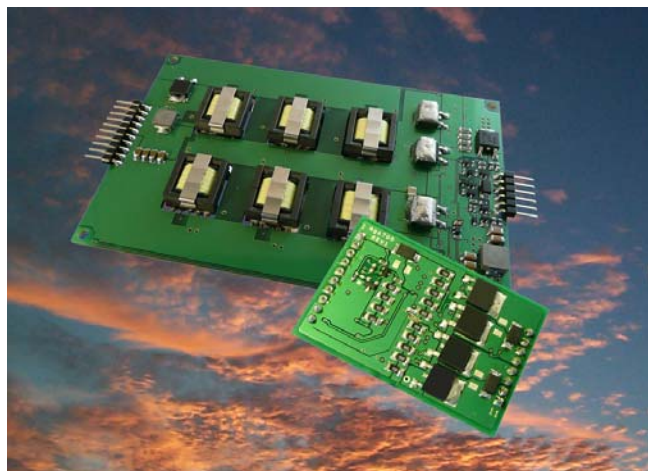


# Ultimate POE

200W of Power over Ethernet



- **POE up to 200W**
- **Low Profile (only 8mm)**
- **Smart signature detection**
- **Overload and short-circuit protection**
- **1500V isolation (input to output)**
- **Minimal external components**
- **Simple integration**

Silvertel have pioneered the highest possible power for POE modules with the Ag6700 and Ag5700. These are a Power Sourcing Equipment (PSE) and Power Device (PD) pair for supplying up to 200W over Ethernet cable.

Ag6700 is a power injector for use on conventional twisted pair Category 5e or 6 Ethernet cable. Ag5700 is the module used to extract power and provide the signature and voltage conversion to power the end equipment. This is a total solution which includes 1.5kV isolation, PoE signature and our own DC to DC converter design. The high power of these modules allows the connection of devices that would normally require a direct mains powering.

Ag5700 has an on-board  $\mu$ -controller to monitor multiple parameters, including input voltage, output current and output diode temperature. If any parameter goes outside of the modules specifications the  $\mu$ -controller automatically shuts the output off within 10ms. It continues to monitor the status and will not resume normal operation until the parameter returns within specification. The modules use a smart signature to detect correct connection to each other and not to 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.

\* Please contact Silvertel for advice and details on using our "Ultimate POE" in your application. Examples are:- Computers, monitors, digital displays, HD DVDs, HD TVs, media servers, information displays etc.

