Ag6800

IEEE 802.3bt High Power 4-pair PSE Module

- **Cost Optimised 97W POE PSE**
- **IEEE802.3bt (Draft) compliant module**
- **Power out on all 4 pairs**
- **57V out for maximum efficiency**
- **Compact DIL package –** 51mm(L) x 35mm(W) x 7mm (H)
- **Very high efficiency**
- **Overload and short-circuit protection**
- **IEEE802.3af & 802.3at compatible**
- **Minimal external components**
- **Simple integration**

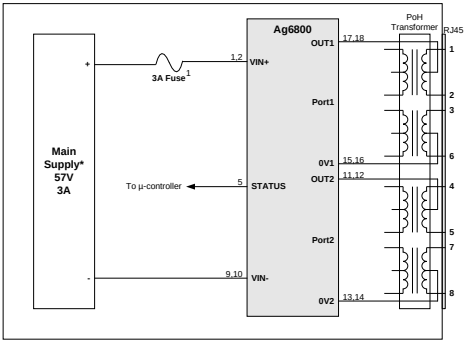
Silvertels' Ag6800 module is fully compliant to IEEE802.3bt (draft) for 4-pair Power Sourcing Equipment (PSE). Designed to make the development of high power POE projects easy. It can be used with any IEEE compatible device including equipment with Silvertels' Ag5800 Powered Device module built in.

The Ag6800 can be used to inject power onto conventional twisted pair Category 5e or 6 Ethernet cable. Having read the signature and class of any compatible connected device, it will supply the appropriate power to the cable.

Ag6800 complements and is designed for use with Silvertels' Ag5800 PD module but can also be used with any IEEE compliant PD circuit or device. Using all 4 pairs for power improves overall system efficiency allowing the maximum possible power to be transferred over the cabling. Sophisticated control systems built into the IEEE802.3bt specification help the module deliver the maximum power possible to the end device, dependent on a number of factors such as cable lengths.

This is a complete, easy to implement solution for adding POE functionality to a wide variety of applications requiring higher power up to 97W (nominal) such as lighting systems, digital signage, Point-of-Sale systems, LCD TVs, computer monitors and video projectors.

Silvertel design and manufacture a wide range of PoE modules in a variety of packages and footprints, with options from low power 802.3af through to 802.3bt.



Note: The device specifications are based on preliminary data and are subject to change. Contact Silver Telecom Representative for up-to-date information.