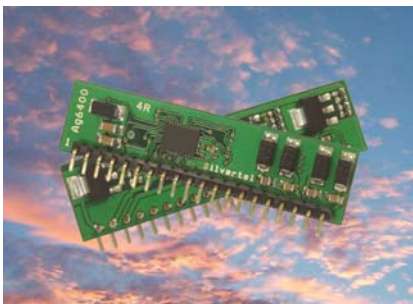


Ag6400

48V IEEE 802.3af & 802.3at PSE Module

V2.3
October 09



- **IEEE802.3af & at compatible**
- **Small Footprint-**
50mm(L)x8mm(W)x14mm(H)
- **Over Current & Short Circuit Protection**
- **Signature & Class recognition**
- **30W per channel**
- **Low Power Dissipation**
- **Hardware and Software modes**
- **Simple integration**

The Ag6400 module is designed to inject power into a conventional twisted pair Category 5 Ethernet cable. These modules provide exceptional efficiency while compatible with IEEE 802.3af and 802.3at Power-over-Ethernet (PoE) devices.

This module provides the ability for your equipment to deliver the power, to supply connected PoE devices. The addition of this module will add the PoE function and change the equipment to a standard PoE Power Sourcing Equipment (PSE). If you wish to add PoE as an option to your products this is the ideal solution.

The Ag6400 has four outputs with all of these outputs compatible with IEEE 802.3af & 802.3at. The module will read the signature and class of any compatible device and then supply the correct power. This Ag6400 can be used in a Mid-span or End-Span device.

The Ag6400 is a slave device, with four pins available to connect to an I²C interface. This enables the module to communicate with a master device using the I²C bus standard. To implement a standard bidirectional SDA bus, the SDO and SDI must be connected together. These pins have been separated to make it easier to connect them to opto-couplers which is essential to maintain the isolation barrier required.

This module is aimed at IP switch, Digital Video Recorder (DVR) and IP PABX manufacturers. The PoE power provided by your unit can be used to supply various types of connected Ethernet equipment, such as VoIP phones, IP cameras and Door Access controllers.

