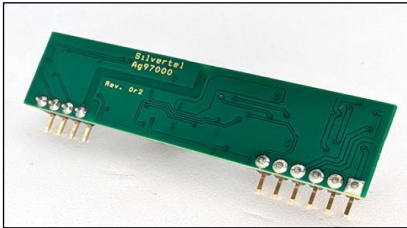
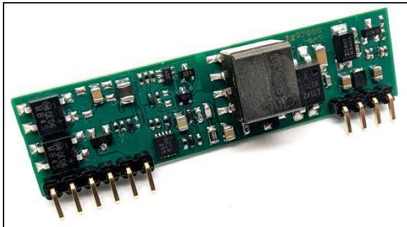


Ag97000-FL

V1.0
January 2025

Fully Featured IEEE802.3af PoE Module for the Powered Device (PD)



- **Designed and Manufactured in the UK**
- **Over 40% Lighter in Weight**
- **Fully Featured and Cost optimised IEEE802.3af PoE Module**
- **Single-sided Module Design**
- **Small Single-In-Line (SIL) package**
56mm (L) x 14mm (H) x 13mm (D)
- **Class Programmable** - Default Class0/3
- **Industrial Temperature Range (-40C - +85C)**
- **Overload & Short-Circuit Protection**
- **Thermal Protection**
- **5V, 12V or 24V Output Options**
- **1500V Isolation (Input to Output)**
- **Integral DC/DC Converter (87% Efficient)**

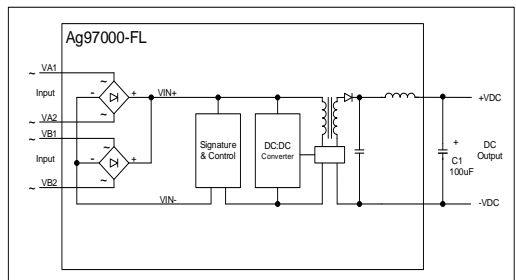
Silvertels' new Ag97000-FL series are pin for pin compatible with the popular Ag9700 product family and will come fully featured as standard.

This cost-optimised PoE PD module is designed to extract power from a conventional twisted pair Category 5 Ethernet cable and conforms to the IEEE802.3af Power-over-Ethernet (PoE) standard.

This total solution includes 1.5kV isolation, PoE signature and integral DC/DC converter. The module can be Class-programmed for lower power applications.

The module has enhanced protection features which protects it from under-voltage start-up issues (UVLO). The Ag97000-FL also has on-board diode bridges fitted and requires only minimal, low-cost components to enable a fully functional PoE solution.

The integrated, optimised DC/DC converter operates over a wide input voltage range providing a high efficiency (up to 87%) regulated output. There are three nominal output voltage options; 5V, 12V and 24V which can be easily adjusted using a simple pull up/down resistor.



Power and Analogue Solutions

<http://www.silvertel.com/>



Note: The device specifications are based on preliminary data and are subject to change. Contact Silvertel for the latest information.