



- **Miniaturised POE PD module:**
SMT-21mm(L)x 14mm(W)x13.35mm(H)
- **Smallest in the world**
- **40% smaller than any other PoE solution**
- **Fully IEEE802.3af compliant POE**
- **Overload & short-circuit protection**
- **Industrial temperature option**
- **Power: 12W @ 24V**
- **1500V isolation**
- **Integral DC/DC converter**
- **Low cost & simple integration**

The Ag9900 series PD modules push the boundaries of POE miniaturisation further than ever before, yet still offers all the features expected from Silvertel's POE. The smallest package size available extracts power from a Cat5 cable, fully conforming to the 802.3af Power-over-Ethernet (PoE) standard. It includes 1.5kV isolation, PoE signature and an integral DC to DC converter and provides a Class 0 signature.

Ag9900 offers a simple, ultra-small PoE solution using minimal external low cost components. External bridge rectifiers enable the device to be powered from mid- or end-span PSE, accepting power from

the spare or data cable pairs. Operating over a wide input voltage range, the optimised DC/DC converter still has high efficiency (up to 87%). Built-in protection against overloads and short-circuits is also provided. The regulated DC output voltage is easily adjusted using a simple pull up/down resistor.

The Ag9924M provides signature and control circuitry to give full PoE compatibility. A signature is required by the Power Sourcing Equipment (PSE) before it will provide power to the port.

The industrial temperature Ag9924MT variant provides over temperature protection. This option reduces the output power if the maximum operating temperature is exceeded. Normal operation resumes when the temperature drops back below the threshold.

Silvertel's Ag9900 is ideal as a cost effective solution for POE for any application. This 24V output version caters for a growing trend towards 24V applications in access control, IP audio and industrial control.

