



## Overview

The Ag9120-S is a module designed to extract power from a conventional twisted pair Category 5 Ethernet cable, conforming to the IEEE 802.3af Power-over-Ethernet (PoE) standard.

The Ag9120-S provides the PoE compatibility signature and power classification required by the Power Sourcing Equipment (PSE) before applying up to 15W power to the port. The high efficiency DC/DC converter operates over a wide input voltage range (36V to 48V typ) and provides a regulated low ripple and low noise output. The DC/DC converter also has built-in overload and short-circuit output protection.

Features: IEEE802.3af compliant Small SIL package size - 56mm (h) x 14mm (h) Low output ripple and noise Input voltage range 36V to 57V Overload and short-circuit protection High efficiency DC/DC converter (75% typ) 1500V isolation (input to output)

This module could be used with products Arduino Ethernet shield and Arduino Ethernet

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Arduino:](#)

[X000002](#)