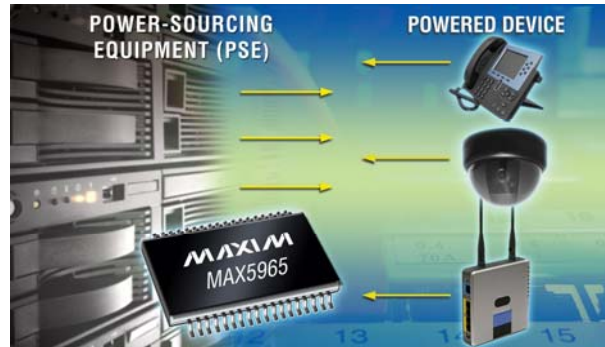


## PRESS INFORMATION

- FOR IMMEDIATE RELEASE -

### Avnet Memec adds the new MAX5965 of Maxim to its Portfolio

**Poing, November 9<sup>th</sup>, 2009** - Avnet Memec, the highly specialised semiconductor distributor of Avnet Electronics Marketing EMEA, introduces the new MAX5965, the industry's first monolithic quad PSE controller for IEEE 802.3at/PoE+ and IEEE 802.3af-compliant PoE applications. This device allows multiport PoE systems to deliver up to 45W over standard Cat5 Ethernet cable to power devices such as IP phones, wireless LAN access nodes, and IP cameras.



The controller is well suited for both endpoint (LAN switches/routers) and midspan (power injectors) PSE applications. The MAX5965 is pin and function compatible with the MAX5945/LTC4258/LTC4259A 802.3af quad PSE controllers, plus has additional features, thus allowing customers to upgrade their 802.3af PSE systems for higher power\* with minimal hardware changes.

Operating from 32V to 60V, the MAX5965 is rated for an absolute maximum of 80V. It provides 802.3af PD discovery and classification, and offers Class 5 and Class 6 classification for detection of high-power PDs. It also supports both DC and AC load-disconnect detection methods. The MAX5965's internal 9-bit ADC and I<sup>2</sup>C interface allows advanced power management and power budgeting in multiport PSE systems. To ensure interoperability, the MAX5965 is capable of detecting legacy (non-IEEE 802.3af compliant) PDs that use high capacitance as the discovery signature.

Other features include: UVLO (undervoltage-lockout) detection and protection, a load-stability safety check during UVLO detection, overtemperature protection, output-voltage slew-rate limiting during startup, and power-good/fault-status indicators. The MAX5965 is offered in a 36-pin SSOP package and is rated to operate in the upper commercial temperature range (0°C to +85°C).

*\*Compliant to IEEE 802.3at, Draft 4.2.*

#### About Avnet Memec

Avnet Memec, a business unit of Avnet Electronics Marketing EMEA, is a highly specialised semiconductor distributor, operating on a pan-European basis and employing a significant number of engineers to support customers' design efforts. Avnet Memec specialises in highly innovative suppliers and technologies, which will help a variety of customers to differentiate their designs. Its area of specialisation extends from Analog and Microcontrollers to RF, Datacom and Networking. The business unit operates out of 31 offices in 19 European countries and represents major semiconductor franchises on a pan-European basis. [www.avnet-memec.eu](http://www.avnet-memec.eu)

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