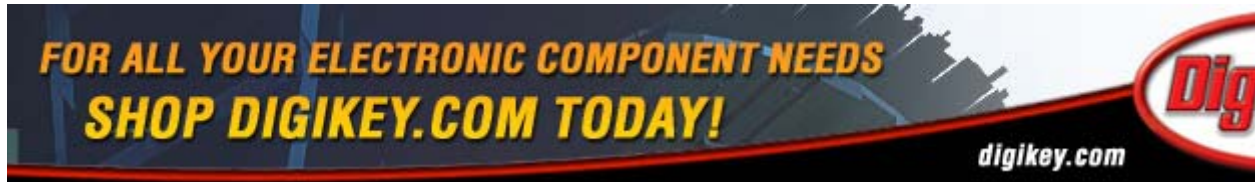


728x90



SEARCH THIS SITE

WHAT'S NEW REVIEWS **BRIEFS** FOCUS ON OPINION DATA SHEETS NETSEMINAR

 **SpecSearch**  
SEARCH DATA SHEETS

**EE TIMES**  
**Ultimate Products 4.3**

PRODUCT CATEGORIES

ANALOG ICs

BOARDS / BUSES

DSP

ELECTROMECHANICAL

EMBEDDED TOOLS

INTERCONNECTS

MPUS / MCUS

MEMORY

LOGIC & INTERFACES

PASSIVES / SENSORS

PLDs / FPGAs

**POWER COMPONENTS**

POWER SOURCES

RF / MICROWAVE




TEST / MEASUREMENT

## PoE ICs support IEEE802.3a

[Gina Roos](#)

[eeProductCenter](#)

(02/11/2008 8:23 PM ET)

 Print  Email  Reprints  Share  Del.icio.us  Slashdot 

Irvine, Calif. — Microsemi Corp. has introduced two IEEE802.3a integrated circuits for high-Ethernet (PoE) applications. Touted as the industry's first IEEE802.3at-ready PoE integrated line includes the PD69012 12-port PSE High PoE Manager and the PD69008 8-port PSE High

The new product family delivers up to 60 watts of power for devices ranging from video screen transmitters to pan-tilt-zoom cameras, thin-clients and laptop computers. Both devices feature enabling switch manufacturers to build switches that can drive 36 W for every two-pairs and i consuming up to 30 watts, with ongoing currents of 720 mA, as required by IEEE802.3at-dra

Applications requiring up to 60 watts can use the same Microsemi integrated circuits in a 4-pair configuration. The new ICs support Layer-2 Classification and 2-event classification, which reduces the software resources required to implement PoE switches and is essential for building IEEE802.3at midspans.

Both the PD69012 and PD69008 include all of the features found in lower power PD64012G and PD64004A circuits and in the pre-standard PD64012GH and PD64004AH, including detection of pre-standard devices, dynamic power management and emergency power management. In addition, the new devices also add support for power management based on Layer-2 classification.

The PD69012 and PD69008 can be configured on a port-by-port basis to work in IEEE802.3at mode or 100% IEEE802.3af compliant mode. Both PoE Managers can be used standalone or with the PD69000, which enhances the power management support and provides a backwards compatible interface with the PD63000 and PDIC66000.

Availability: The PD69012 and PD69008 are sampling now and will be available in volume pr quarter of 2008.

Product information: [PD69000](#) and [PD69008](#), [PD69012](#)

Explore within this



Save board space  
lower BOM cost  
your white LED app

**SEMTECH**

Save  
time.