

TI Delivers First Integrated ExpressCard™ Power Interface Switch for Next-Generation Personal Computers

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Simplifying power management in next-generation computer designs, [Texas Instruments Incorporated](#) (TI) announced today the first Personal Computer Memory Card International Association (PCMCIA) and PC card power switch integrated circuit (IC) that supports all power management requirements for the new ExpressCard standard.

The TPS2231 extends TI's broad portfolio of PCMCIA and PC card power management devices, and efficiently manages the power supplied to a single ExpressCard slot used in applications used in notebook and desktop computers, PDAs and digital still cameras. The IC powers up and detects load failures in the card, removes power if the card fails, protects the surrounding system from damage, and instantly

communicates power events to the microcontroller or digital signal processor electronically -- all without having to shut down the system.

Key Specifications of the TPS2231:

Integrated PCMCIA/PC Card Power Switch

Compliant with Both ExpressCard 34 mm and 54 mm Module Requirements

WAKE Signal to Activate Card After Sleep State

TTL-Logic Compatible Inputs

Short Circuit and Thermal Protection

-40°C to 85°C Ambient Operating Temperature Range

About ExpressCard Technology:

ExpressCard technology, formerly known as the code name NEWCARD, was a new standard created by a group of PCMCIA member companies, including Texas Instruments, Dell, Hewlett Packard, IBM, Intel, Microsoft, Lexar Media and SCM Microsystems. The ExpressCard standard promises to deliver thinner, faster and lighter modular expansion to desktop and notebook computer users. Consumers will be able to add hardware capabilities such as memory, wired and wireless communications cards and security devices by simply inserting these modules into their systems. All ExpressCard slots will accommodate modules designed to use Universal Serial Bus (USB) 2.0, or the emerging PCI*Express standards.

Source: TI

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