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Editorial Contact:
Maury Wright, *EDN*
858-748-6785
mgwright@reedbusiness.com

EDN Magazine Names the Hottest Products of 2006

BOSTON, MA, December 15, 2006 – *EDN* magazine, the voice of the electronics engineer, has published its annual listing of the electronics industry's Hot 100 Products. Each year, *EDN*'s staff of technical editors analyzes and compares the industry's product introductions and announces the winners in December. This year's selections include chips and components that drive innovations in cellular phones, broadband communications, digital video, wireless connections, and more.

Products that appear in *EDN*'s annual Hot 100 Products issue are chosen by its editors from the hundreds of newsworthy items that grace the pages of *EDN*, whether they appeared in *EDN*'s New Products section, a feature story, or an online exclusive. The list encompasses a range of architectures and technologies and a plethora of categories—from analog ICs to multimedia to test-and-measurement tools.

"EDN editors cover an amazingly broad technology base and see compelling products across the spectrum throughout the year," states Editor in Chief Maury Wright. "The Hot 100 highlights the best of the products from our feature and new-product articles and web coverage over the course of the year. From components to processors to test instruments, each of these 100 stands out in the crowd."

For more information on the Hot 100 Products of 2006 visit: <http://www.edn.com/2006hot100>

The Hot 100 Products of 2006 are:

Analog ICs

Allegro Microsystems
ACS760 series Hall-effect hot-swap controller

Analog Devices
ADA4899-1 ultralow-noise amplifier

Cirrus Logic
CS3003 chopper amplifier

Intersil
ISL29001 and ISL29002 light-to-digital output sensors

Linear Technology
LT6244 low-noise CMOS amplifiers

Maxim
MAX9982 800- to 1000-MHz mixer

Microchip
MCP6G01 and MCP6G02 gain-selectable amplifiers

National Semiconductor
LM4562 audiophile amplifier

NEC
 μ PC835 JFET amplifier

Texas Instruments (Burr-Brown group)
OPA365 rail-to-rail input amplifier

Texas Instruments
TPA203xD1 Class D audio power amplifier

ASICs, IP, and Process Technology

Certicom
Production Control Core intellectual-property core

Infineon Technologies
Disk read-channel intellectual-property core

Key ASIC
ASIC service

NEC Electronics
55-nm CMOS process

Sonics
LX interconnect intellectual property for systems on chips (SOCs)

Texas Instruments
45-nm CMOS process

Communications

Cswitch Corp
Configurable switch array

DS2
DSS9001 power-line-networking IC

Enigma Semiconductor
EN6100 family packet-switching chip set

Infrant
NSP IT310x network-storage processor

Integrated Device Technology
Serial RapidIO preprocessing switch

SiConnect
POEM power-line-transceiver chip

SMSC
LAN9131 network multimedia coprocessor

Texas Instruments
UR8 Universal DSL chip family

Tzero Technologies
TZ7110/7210 ultrawideband chip set

Components

Celsia
Microspreader heat spreader with fluid core

Nanoident
Photonics Solution Platform for designing image sensors combining LEDs, photosensors, and simple IC functions

SiTime
SiT11xx MEMS oscillators

Computers and Peripherals

Allmotion
EZHR17EN stepper-motor controller

BittWare
Tetra-PMC+ analog-input board

Cornice
Dragon series 1-in. hard-disk drives

Curtiss-Wright Controls Embedded Computing
Champ-AV6 DSP engine

Dust Networks
SmartMesh-XT mesh-networking platform for industrial environments

Extreme Engineering Solutions
XPedite6240 AMC computer

General Micro Systems
V469 Patriot computer

Gumstix
Netstix 200xm-cf computer

Inova Computers
Hercules CompactPCI system

Kontron
ETXexpress-PM COM Express module

Mercury Computer Systems
ECV4-RFT remote fiber transceiver

Mosaic Industries
Ethersmart Wildcard expansion board

Performance Motion Devices
Ion drive network-motion controller

Rabbit Semiconductor
RabbitFlex custom computer

Seagate
Barracuda 7200.10 series 3.5-in. perpendicular recording-based hard-disk drives
Seagate
ST1.3 series 1-in. perpendicular recording-based hard-disk drives

Digital and Programmable ICs

Actel
Sandman FPGA

Altera
Stratix 3 65-nm FPGA

Analog Devices
ADE7100 power-meter IC

Andigilog
ThermalEdge aSC7512 thermal-management controller 2<http://andigilog.com>

Fujitsu Microelectronics
MBF 320 biometric sweep sensor

PLX Technology
PEX 8548 PCI Express switch

Texas Instruments
SN65LVDS301 FlatLink 3G

Xilinx
Virtex 5 65-nm FPGA

EDA

Apache Design Solutions
Sahara-PTE power/thermal/electrical analysis tool

Berkeley Design Automation
Analog FastSpice Spice simulator

Blaze DFM
Blaze MO design-for-manufacturing tool

Cadence Design System
Space-based router (previously known as Precision)

Ciranova
PCell Xtreme tool for PCell information

Invarium
Dimension PPC (process and proximity correction) patterning synthesis tool

The Mathworks
Simulink HDL coder

Mentor Graphics
Calibre LFD (lithography-friendly design) design-for-manufacturing tool

Novas Software
Siloti RTL debugging tool

OneSpin Solutions
CVE (circuit-verification environment) formal-verification product

Sierra Design Automation
Olympus-SOC IC router

Sigma-C (Synopsys acquired in June 2006)
Solid+ microlithography simulator for design and optical-proximity
Solid+ correction

Silistix
ChainWorks tool set for asynchronous design

Synopsys
PrimeTime VX digital statistical-timing-analysis tool

Multimedia

Akustica
AKU2000 MEMS microphone

Ambarella
A1 high-definition-video processor

Texas Instruments
DM6443/6 DaVinci video processors

Toshiba America Electronic Components
TC90400XBG/FG digital video systems on chips (SOCs)

Power

Analog Devices
ADuM524X isoPower family of dual-channel isolators
Enpirion
EP53x2Q 1A/3W buck converter

Freescale
MC34703 Quiccsupply 3 power-management IC

International Rectifier
IR1167 SmartRectifier IC

Intersil
ISL6326 and ISL6327 PWM controllers

Maxim
DS2790 battery fuel gauge

Microchip
dsPIC30F1010/202X family of digital-signal controllers for switched-mode power supplies

National Semiconductor
LM5071 power-over-Ethernet controller

Power Integrations
PeakSwitch power-conversion IC

Primarion
PX7510/20 digital-power-conversion and -management ICs

XP Power
RCL175 ac/dc switching power supply

Zilker Labs
ZL2105 IC digital-power-conversion and -management IC

Processors

AMD
Turion 64 X2 mobile CPUs

Altera
Nios II V6.0 and C2H (C-to-hardware-acceleration) compiler

Atmel
AT91SAM7SE512/256/32 ARM7-based microcontrollers

Cavium Networks
CN31XX and CN30XX MIPS64-based processors

Freescale
MSC8144 quad-core DSP

Intel
Core Microarchitecture CPUs (Merom, Conroe, Woodcrest)

Intel
Core 2 Extreme QX6700 Quad-Core CPU

Luminary Micro
LM3S101/102 Stellaris 32-bit microcontrollers

Microchip
PIC18F97J60 8-bit microcontrollers

Ramtron
VRS51L2070 8051 microcontroller

Renesas
SH7785 microcontroller with multimedia support

STMicroelectronics
STR910F ARM9E-based microcontrollers

Tensilica
Diamond Standard family of Xtensa processors

Test and Measurement

Agilent
V1250 series handheld digital multimeters

LeCroy
WaveSurfer and WaveRunner digital-storage oscilloscopes with WaveScan feature

National Instruments
LabView 8.20

Tektronix
RSA6100A real-time spectrum analyzer

About *EDN*

Known as the “Voice of the engineer,” Waltham, MA-based *EDN* serves the vital information needs of design engineers and engineering managers worldwide. The *EDN* franchise includes *EDN*, *EDN Europe*, *EDN Asia*, *EDN Australia*, *EDN China*, *EDN Japan*, and *EDN.com*.

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