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NXP Announces First PC Power Supply Solution to Achieve the 80 PLUS Gold Standard

GreenChip PC Chipset Enables Industry to Deliver Greener PCs

EINDHOVEN, Netherlands--([BUSINESS WIRE](#))--NXP Semiconductors, the independent semiconductor company founded by Philips, today announced that its GreenChip PC chipset has achieved 80 PLUS Gold certification for a reference design, as set by Ecos Consulting and the 80 PLUS Program. With efficiency of well over 90 percent, this is the first PC desktop power supply reference solution to meet the stringent demands of the Gold standard, helping to enable the PC industry to accelerate its green power roadmaps.

NXP is the first company to create a cost-effective energy-efficient chipset for PC power supplies, which is easy to manufacture and ready to deliver to the mass consumer market now. Desktops with the NXP GreenChip PC solution installed will cut energy losses up to 50 percent compared to the average desktop. Installing the GreenChip PC will have a dramatic impact on the amount of power consumed. NXP estimates that 160 million desktop PCs equipped with 80 PLUS Gold-certified supplies will save the equivalent of 200 million tons of CO2 emission.

NXP's GreenChip PC chipset solution has been designed to exceed all relevant current and future industry standards. By future-proofing the chipset, NXP has made it easier for the PC industry to develop power-efficient products today and tomorrow.

Edwin Kluter, marketing director, power solutions product line, NXP Semiconductors, said: "We are pleased to announce that NXP's GreenChip PC solution has passed this significant landmark. Passing the 80 PLUS Gold standard demonstrates NXP's commitment to the process of reducing power consumption. The company is pushing manufacturers to deliver greener products today by providing a solution that is available now."

"We want to recognize NXP for being first in the industry to reach the 80 PLUS Gold level for a multiple output reference design," said Jason Boehlke, channel manager for Ecos Consulting and the 80 PLUS program. "The value of 80 PLUS is made available by a partnership between manufacturers, utilities and consumers and is helping to bring forward new market innovations and efficiencies that are helping to enable greener IT solutions."

GreenChip PC Features

Key features of the NXP GreenChip PC chipset include:

- Highly efficient secondary side "controlled switch" concept
- Scalability through the selection of external components which set the output power and efficiency of the supply
- Active Clamp Reset with integrated switch, lowering the breakdown voltage demand for the power components
- Integrated standby and housekeeping functionality, reducing the number of external components required to meet energy star standby requirements
- Independent regulation of output voltages resulting in perfect cross regulation
- Fanless design allowing for living room computing applications
- Fits standard ATX size box

Availability

The GreenChip PC chipset solution is available now and shipping in Europe, the US, APAC and Japan.

About NXP Semiconductors

NXP is a top 10 semiconductor company founded by Philips more than 50 years ago. Headquartered in Europe, the company has 37,000 employees working in more than 20 countries and posted sales of USD 6.3 billion in 2007. NXP creates semiconductors, system solutions and software that deliver better sensory experiences in mobile phones, personal media players, TVs, set-top boxes, identification applications, cars and a wide range of other electronic devices. News from NXP is located at www.nxp.com.

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Forward-looking Statements

This release may contain certain forward-looking statements with respect to the financial condition, results of operations and business of NXP and certain plans and objectives of NXP with respect to these items. By their nature, forward-looking statements involve risk and uncertainty because they relate to events and depend on circumstances that will occur in the future and there are many factors that could cause actual results and developments to differ materially from those expressed or implied by these forward-looking statements.

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