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**SOURCE: ZF Micro Solutions, Inc.**



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**Easy Embedded PC™ Open Source Design for Low Power Industrial Control**

PALO ALTO, CA--(Marketwire - July 13, 2009) - ZF Micro Solutions announces the [EEPC™](#) open source design for a low-power, [embedded control PC](#) with a \$100 target BOM cost\* at 10K units. The primary motivation in component selection was to provide OEMs the ability to guarantee extended minimum production lifetimes, ease of programming and reliable operation. The sub-5W design is based on components with long-life production commitments from ZF and other suppliers. The full 186, 386 or 486 compatibility of the [ZFx86 PC-on-a-Chip](#) eliminates the need to re-write or re-validate code that is debugged and functional.

The design is available at no cost and may be used as is or modified to suit specific needs. The [design package](#), available from ZF, includes [OrCad schematic](#), PadsPCB Layout files, and a complete Bill of Materials spreadsheet. Included with the ZFx86 System-On-Chip are a [ZF BIOS](#) (based on Phoenix Technologies kernel), DR-DOS 7.03 license, and software drivers to support all hardware. Additionally, Windows CE® and Linux are available and ready to run.

The EEPC was designed for embedded applications requiring the most commonly used set of I/O, memory and traditional X86 PC functionality. It is the quickest way to create successful OEM products with ease of programming and reliable operation.

A ZF-stocked parts starter kit is available that includes the ZFx86, a RealTek 10/100 Ethernet controller, and preprogrammed clock IC and preprogrammed BIOS flash. All other parts are available online through DigiKey, Mouser, Nu Horizons Electronics, RS Components (Allied), or Symmetry Electronics.

The pre-tested design is available in a development kit that includes a fully assembled and tested board, all documentation and licensed software. It offers the quickest way to create reliable OEM products with long-life and true x86 compatibility, with minimal design and verification effort.

The complete development kit is \$595 and the parts starter kit (sold separately) is available for \$119 from ZF authorized distributors. <http://www.zfmicro.com/wwdistis.html>

Download the free design package at <http://www.zfmicro.com/downloadtable.html>

About ZF Micro Solutions, Inc.: ZF is a privately held fabless semiconductor company. The company's focus is long-term embedded control applications. ZF Micro Solutions is headquartered in Palo Alto, California.

\* without modem module



[ZF86-based Easy Embedded PC Open Source Reference Design](#)

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