

Innovasic Semiconductor Announces the Availability of a TCP/IP Stack for the fido1100™

ALBUQUERQUE, NM, January 15, 2007 - Innovasic Semiconductor, a leader in replacement integrated circuit (IC) and microcontroller solutions, today announced the availability of a TCP/IP stack for its new fido1100 (flexible input deterministic output) industrial microcontroller.

The stack will allow users to configure one of fido's Universal I/O Controllers (UICs) to communicate with other devices utilizing the Internet Protocol (IP). Each one of fido's four UICs is a dedicated RISC engine, which can be programmed to support a variety of I/O protocols. This flexibility allows fido to be used in multiple designs with different I/O requirements, reducing the cost and obsolescence risk of carrying multiple parts in inventory.

The release features a highly optimized embedded TCP/IP stack, no OS dependencies and supports zero data copy. In addition, it supports DNS client, socket interface, BOOTP, DHCP, TELNET, FTP, TFTP, POP3, SMTP, IMAP4, HTTP 1.0/1.1, TCP, UDP, IP, ICMP, IGMP, ARP, multicast, Ethernet and SNMP client protocols.

"The addition of a stack is part of our commitment to increasing the power and flexibility of the UICs," said Keith Prettyjohns, CEO of Innovasic Semiconductor. "We will continue to work with our customers to develop protocols that best support their needs, providing a complete solution."

In the fido1100, each UIC can be programmed to support 10/100 Ethernet (with MAC address filtering), two UARTs (16550 type), SMBus, Smart GPIO (up to 18-bits per UIC), SPI, I²C and even customer proprietary protocols.

The TCP/IP stack will be included in the release of Evaluation Design Kits shipping in January 2007.

About fido Microcontrollers

The fido family of 32-bit real-time microcontrollers was designed from the ground up for embedded industrial control requirements. Combining the best of tried-and-true solutions with innovative new features, it provides a welcome relief to system designers and programmers.

This innovative new architecture optimizes the balance between hardware and software features. The fido microcontroller also combines new features with something familiar - the 68000 instruction set. And unlike the original 68000 parts, Innovasic is guaranteeing long life availability of the fido1100.



With fido, many features that were once conducted in software have been hardwired into the chip to provide reliable real-time response, predictable performance and robust debug – shortening the-time-to-market and easing field deployment. These features lower processing requirements and reduce the power consumption, clock rate, and design complexity.

For more information on fido, please visit <http://www.engineersbestfriend.com/>

About Innovasic® Semiconductor

Innovasic Semiconductor is a fabless semiconductor company focused on serving the industrial market. The company has established a world-class reputation for solving obsolescence problems by developing microcontrollers and peripheral ICs that are one hundred percent compatible with an original manufacturer's part in response to an End of Life notice. Having shipped over a million production ICs to the industrial market, Innovasic has become a trusted partner and an approved vendor to many of the leading industrial equipment manufacturers worldwide.

By developing close partnerships with its customers, the company has not only secured numerous wins for its growing line of replacement microcontrollers, but it has now launched its own family of industrial microcontrollers - specifically designed to solve problems typically overlooked by other semiconductor manufacturers. The new fido brand of microcontrollers has a novel architecture protected by multiple patent applications, while at the same time being compatible with one of the most widely used instruction sets.

For more information on Innovasic Semiconductor, please visit <http://www.innovasic.com>

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