



## **PRESS RELEASE**

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### **Oak Technology's OTI-4110 Programmable System-on-a-Chip Solution Earns USB-IF Certification**

**SUNNYVALE, Calif. — January 20, 2003** — Oak Technology, Inc., (Nasdaq: OAKT) a leading provider of embedded solutions for optical-storage, digital-imaging and digital home entertainment markets, today announced that its OTI-4110 system-on-a-chip solution has earned USB Implementers Forum (USB-IF) certification, thus positioning Oak to pursue a market lead in USB 2.0 deployment.

The OTI-4110 is a programmable system-on-a-chip (SOC) solution based on Oak's Quatro architecture for imaging and printing appliances including, multi-function peripherals (MFPs), direct-connect photo printers and Internet appliance printers. The OTI-4110 incorporates an ARM9® CPU core and Quatro DSP core and provides OEMs with a powerful, highly integrated SOC solution that performs all the control processing, image processing and communications processing required in a personal imaging or printing appliance. All that is needed to complete a controller is RAM, ROM, analog interfaces, and current drivers.

The OTI-4110 is one of the industry's first SOCs to incorporate a complete USB 2.0 device interface to provide both high-speed (480 Mbps) and full-speed (12 Mbps) transfer rates. The new high-speed mode in USB 2.0 allows it to transfer at a rate up to 40 times

faster than the maximum transfer rate of its predecessor - USB 1.1. MFPs are among the first products to adopt USB 2.0 because of the high bandwidth required to transfer image data from a MFP scanner to a PC. The OTI-4110 integrates a complete USB 2.0 device interface consisting of a controller core, licensed from ARC International, and a physical layer core (USB 2 PHY), licensed from Synopsys, to provide OEMs with cost-effective USB 2.0 connectivity. Working closely with these leading core technology providers assured the early deployment of Oak's integrated solution.

"Our top priority was to achieve USB 2.0 compliance early in the development of our OTI-4110 SOC solution," said Simon Dolan, senior vice president and general manager, Oak Technology's Imaging Group. "We recognized the importance of connectivity to our customers, and we're pleased to have delivered it."

"By utilizing the software-based configurability of our USB 2.0 controller core, Oak has demonstrated how a systems-based design approach can result in the rapid development of a powerful and highly integrated SOC solution," said Andy Haines, senior vice president of marketing at ARC International. "As providers of the USB 2.0 controller core, we are delighted at Oak's success in certifying their OTI-4110 core."

"We're pleased that Oak chose to integrate Synopsys' silicon-proven USB 2 PHY into the OTI-4110," stated Kevin Walsh, marketing director for DesignWare® Cores, Synopsys IP and Design Services Group. "The small die size of the DesignWare PHY provides Oak OEM customers with cost-effective integrated USB connectivity, interoperability confidence and a competitive edge in their high-volume consumer-oriented markets."

### **Availability**

Oak's OTI-4110 is available now. For more information, please visit us at [www.oaktech.com](http://www.oaktech.com) or contact a sales representative at 781.638.7500.

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### **About Oak Technology**

Oak Technology, Inc., a leading provider of solutions for the storage, manipulation and distribution of digital content, is committed to driving the emerging world of connected consumer appliances. The company's fully integrated products and technologies target three key markets: optical storage (CD-RW and DVD for PC and consumer), digital imaging (advanced copiers, printers, faxes, scanners and MFPs) and digital home entertainment (digital TV, HDTV and PVRs).

Oak Technology's Imaging Group, based in Woburn, MA, is a leading provider of software, imaging processors and system-on-a-chip solutions to the world's top printer OEMs including Canon, Hewlett-Packard, Okidata, Ricoh, Sharp, Toshiba TEC and Xerox. Oak Technology supplies technology to more than 40 OEMs worldwide, collectively representing 80 percent of the printing peripheral market. Oak's imaging products include IPST™ (Integrated Print System) page description language emulations (PCL, PostScript and PDF); imaging compression /decompression (iCODEC™) processors for digital imaging; and Imaging Digital Signal Processors (iDSP™). Oak's complete system controller solutions for the personal imaging and printing markets include the OTI-4110, the first in a series of embedded programmable system-on-a-chip solutions based on its Quatro architecture.

Oak Technology is headquartered in Sunnyvale, CA and the company trades on the Nasdaq Stock Exchange under the symbol OAKT. Additional information about Oak and its digital solutions can be found at [www.oaktech.com](http://www.oaktech.com).

### **About USB Implementers Forum, Inc.**

USB Implementers Forum, Inc. is a non-profit corporation founded by the group of companies that developed the Universal Serial Bus specification. The USB-IF was formed to provide a support organization and forum for the advancement and adoption of Universal Serial Bus technology. The Forum facilitates the development of high-quality compatible USB products and promotes the benefits of USB and the quality of products that have passed compliance testing. Additional information regarding the USB Implementers Forum is available at [www.usb.org](http://www.usb.org).

### **About ARC**

ARC International is an industry-leading developer of embedded user-customizable, high-performance 32-bit RISC/DSP processor cores, with integrated development tools, peripherals, RTOS and software. These integrated products and solutions are a result of the acquisitions of MetaWare, VAutomation and Precise Software Technologies. ARC's integrated intellectual property solutions assist customers in rapidly developing next generation wireless, networking and consumer electronics products, reducing the number of IP suppliers, reducing time-to-market, reducing costs, and reducing the risk for System-on-Chip product development. Products based on ARC's technology include digital still cameras, set-top boxes, and network processors.

ARC International employs 200 people in research and development, sales, and marketing offices across North America, Europe and Israel. Full details of the company's locations and other information are on the company's web site, [www.ARC.com](http://www.ARC.com). ARC International is listed on the London Stock Exchange as ARC International plc (LSE:ARK).

### **About Synopsys**

Synopsys, Inc. (Nasdaq:SNPS), headquartered in Mountain View, Calif., creates leading electronic design automation (EDA) tools for the global electronics market. The company delivers advanced design technologies and solutions to developers of complex integrated circuits, electronic systems and systems-on-a-chip. Synopsys also provides consulting and support services to simplify the overall IC design process and accelerate time to market for its customers. Visit Synopsys at [www.synopsys.com](http://www.synopsys.com).

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