



1300 Crittenden Lane Suite 203
Mountain View, CA 94043
650.937.1130
650.937.1125 (Fax)



For Immediate Release

BroadLight's Newly Released BL2000 GPON System-on-Chip Incorporates MIPS[®] Processor

*BroadLight Delivers Industry's First GPON SoC Designed for Cost-Sensitive ONT
Applications with the MIPS32[®] 4KEc[®] Processor Core*

MOUNTAIN VIEW, CA., July 26, 2005 – BroadLight, Inc. and MIPS Technologies, Inc. (NASDAQ: MIPS), today announced that BroadLight licensed the MIPS32[®] 4KEc[®] processor core for use in its BL2000 GPON (Gigabit Passive Optical Network) and BPON (Broadband Passive Optical Network) SoCs. By incorporating the 4KEc core, BroadLight was able to significantly reduce development cost and speed time to market with the industry's first complete end-to-end GPON solution, which will be delivered to its first tier customer base by December 2005.

According to a recent *PON Equipment* forecast report from Infonetics Research, worldwide Optical Line Terminal (OLT) and Optical Network Terminal (ONT) PON equipment revenue hit \$525 million in 2004, and is projected to grow 310% to \$2.2 billion in 2008, with port shipments reaching over 8 million.

“We chose the MIPS architecture because it met all of our high-end telecom requirements and was the perfect processor for running our BL2000 *PONmaker* software for ONT and PON,” said Eli Weitz, vice president of VLSI for BroadLight. “In addition, we were extremely pleased throughout the entire design, verification and layout processes. Based on this experience and due to the success of our BL2000 design and development effort, we would certainly collaborate with MIPS Technologies on future products.”

“System vendors are increasingly turning to Passive Optical Networks to deliver cost-effective next generation broadband solutions and BroadLight is an acknowledged leader in PON components,” said Russ Bell, vice president, marketing for MIPS Technologies. “We’re delighted to have had the opportunity to play an integral role in the development of an SoC that will have significant impact on an exploding market.”

About the MIPS32 4KE Core Family

The MIPS32 4KE family of cores offers an ideal solution for the development of high-performance, low power-consumption and highly-integrated chipsets for customer-end applications. The 4KE Pro cores feature the CorExtend™ capability, enabling designers to add user-defined instructions. MIPS32® 4KE™ family of synthesizable 32-bit cores offer performance of 1.5 Dhrystone MIPS/MHz, enabling cutting-edge applications.

- MIPS16e™ code compression allows designers to reduce the memory requirements for their application by as much as 40 percent.
- Cores can be configured with up to 64KB instruction and 64KB writeback data cache for more flexibility and higher performance.
- A coprocessor 2 (COP2) interface enables easy coprocessor connection and support.
- Extensive clock gating reduces power consumption without reducing application performance.
- BIST, scan and Enhanced JTAG (EJTAG) debug with trace and fast download enable quick and easy debugging.
- Can be ported to any silicon process.
- All major operating systems and compiler tool chains and hundreds of third-party development tools support the MIPS architecture.

About The BL2000

The BL2000 is an application optimized, completely integrated solution for customers designing ITU-T G.984 GPON and ITU-T G.983 BPON compliant ONT equipment. The BL2000 is being offered to customers as a complete end-to-end (E2E) GPON and BPON solution that also includes PONmaker software, OLT MAC, and OLT and ONT optical transceivers. Key features of the BL2000 SoC include the following:

- GPON ITU-T G.984 MAC using GEM adaptation for packet and TDM services.
- BPON ITU-T G.983 MAC using ATM adaptation for packet and TDM services.
- Downstream 1.25 and 2.5 Gbps SerDes and CDR circuitry enables glueless interfacing with low-cost GPON 2 and 3-wavelength transceivers.
- High-performance, packet processor for wire-speed data path classification and filtering with the bandwidth and processing power required by IPTV applications.
- 10/100/1000 Ethernet MACs.
- GEM interface for TDM services.
- Embedded CPU for a versatile and effective signaling and control plane platform.
- Comprehensive software solution that includes BSP for the leading OSs, low level drivers, boot code and packet bridging.

About BroadLight, Inc.

BroadLight delivers the industry's only end-to-end solution (from the customer premises to the central office) for equipment vendors designing passive optical networks (PONs.) The company's completely integrated product line consists of standards-based digital and analog optical transceivers, communication semiconductors and software solutions that enable its customers to deliver ITU-T PON equipment to carriers and services providers worldwide. This end-to-end solution provides customers with a lower risk development cycle and enables them to significantly speed time-to-market. As a result, BroadLight technology has been adopted by leading manufacturers who are currently providing equipment for some of the world's largest fiber PON roll-outs.

About MIPS Technologies

MIPS Technologies, Inc. is a leading provider of industry-standard processor architectures and cores for digital consumer and business applications. The company drives the broadest architectural alliance that is delivering 32- and 64-bit embedded RISC solutions. The company licenses its intellectual property to semiconductor companies, ASIC developers and system OEMs. MIPS Technologies and its licensees offer the widest range of robust, scalable processors in standard, custom, semi-custom and application-specific products. The company is based in Mountain View, CA and can be reached at +1 (650) 567-5000 or www.mips.com.

###

BroadLight Public Relations

Kelly Karr
650-299-8451
kkarr@broadlight.com

MIPS Technologies

Cathy Browne
650 567-5178
cbrowne@mips.com

BroadLight and the BroadLight logo are trademarks of BroadLight, Inc. MIPS, MIPS32, 4KE, 4KEc, MIPS16e and CorExtend are trademarks or registered trademarks of MIPS Technologies, Inc. in the US and other countries. All other trademarks are the property of their respective holders.