Press Release
For Immediate Release

Firecomms Transceiver Developer Kit for RCLED FOT Quickens Development of Fast Ethernet Products

Cork, Ireland—June 9, 2006-Firecomms Ltd. announces the release of the Fast Ethernet Transceiver Developer Kit, which enables product developers using the Firecomms RCLED-based 650 nm Fast Ethernet fiber optic transceiver (FOT) to significantly shorten time to market.

"In offering this kit, we are enabling our customers worldwide to expedite development of a wide range of products that are based on Firecomms RCLED devices," says Michael O'Gorman, Firecomms product manager. "With this all-in-one evaluation system, Firecomms customers can get products to market faster, and at a more competitive price."

This developer kit demonstrates the performance of Firecomms' RCLED-based 650 nm Fast Ethernet FOT over user-defined lengths of plastic optic fiber (POF) to the design maximum of 100m. This kit includes two evaluation boards, two multi-region DC power supplies, and a 10 meter Step Index POF cable with SMI plugs at each end. Each board includes a Tx-Rx pair in an SMI socket. Data sheets and full design files for the PCB also are included on a CD.

Each evaluation board carries the POF transceiver components in a through-hole SMI socket. The electrical input and output lines from the transceiver are brought out to SMA connectors. The input accepts an LVDS/CML or PECL data source such as a Bit Error Rate Tester (BERT), Pattern Generator, or other signal source. A full-duplex Step Index POF cable links the optical signal to the second board. The receive side of the transceiver generates LVDS/CMS-compatible differential output data signals. The boards are capable of full-duplex operation.

Firecomms Fast Ethernet fully integrated transceivers can operate at Fast Ethernet 100 Mbps for links between a PC or PC-controlled instrument and a server over 100m of POF. The Firecomms Ethernet FOTs also can operate at up to 200 Mbps over 50m for faster server to server POF links.

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Firecomms leads the development of devices to drive POF, a low-cost optical alternative to copper cabling. Due to its ease of use, large core tolerances, and low costs, POF is enjoying a huge growth in a wide range of applications. In fact, POF is now used in millions of small area networks, such as those in use in many car models, and is rapidly gaining ground in home network and point-to-point interconnection.

Detailed specifications for Firecomms' Fast Ethernet Transceiver Development Kit and FOTs are available on the company web site at www.firecomms.com. Both can be ordered through Firecomms' sales organization (sales@firecomms.com) in Japan, USA, and Europe.

About Firecomms Ltd.

Firecomms, a compound semiconductor company, develops high-speed light sources in visible range wavelengths. Firecomms' lasers and LEDs provide the groundwork that will revolutionize optical data communications for small area networks, such as in-car networks and home networks. Firecomms' low power visible lasers unleash the potential for advances in medical devices, barcode scanners, and optical storage devices.

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Further Information:

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