



Samsung Adopts Silicon Laboratories' Highly Integrated Fax Modem Solution

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Fax ISOModem® is Easy-to-Use and Globally Compliant for Multifunction Printers and Fax Machines®

The fax ISOModems are full-featured, integrated modems complete with an easy-to-use UART interface, integrated ROM and RAM, and a digital signal processor (DSP). Unlike legacy controllerless modems, fax ISOModem chipsets include an internal modem controller. Standard Class 1 AT commands control modem operation to minimize processor overhead and software complexity, and make the driver software more portable between systems. This simplifies system design, reduces development effort and speeds time-to-market. The Si2435 supports fax rates up to 33.6 kbps and includes voice processing capabilities and a direct interface to an optional Silicon Laboratories Si3000 voice codec, providing telephone functionality to systems with a handset.

"In order to meet customer demand for a high-performance and economical multi-function printer, we needed an easy-to-use fax modem that would be globally-compliant, compact and cost effective," said Kwang-young Chung, vice president of the Printer R&D team of Samsung Electronics. "Silicon Laboratories' fax ISOModem solution meets these goals, enabling us to deliver a multi-function printer with substantially improved performance."

Compliant with FCC, JATE, EU and numerous other PTT standards, Silicon Laboratories' Si2435 enables global compliance and interoperability. A single product SKU can ship worldwide. With more than 100 issued or pending patents related to this technology, Silicon Laboratories' modem solutions are field proven.

"Through our relationship with Samsung, we are extending our market leading modem technology into the established fax market," said Dave Bresemann, vice president of Silicon Laboratories. "By offering a controller-based, globally-compliant fax modem that is easier to use and more compact than legacy solutions, we are eliminating many of the design headaches associated with integrating fax modems into multi-function printers and other equipment."

About Samsung Electronics

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2005 parent company sales of US\$56.7 billion and net income of US\$7.5 billion. Employing approximately 128,000 people in over 120 offices in 57 countries, the company consists of five main business units: Digital Appliance Business, Digital Media Business, LCD Business, Semiconductor Business and Telecommunication Network Business. Recognized as one of the fastest growing global brands, Samsung Electronics is a leading producer of digital TVs, memory chips, mobile phones, and TFT-LCDs.

For more information, please visit www.samsung.com

Silicon Laboratories Inc.

Silicon Laboratories Inc. is a leading designer of high-performance, analog-intensive, mixed-signal integrated circuits (ICs) for a broad range of applications. Silicon Laboratories' diverse portfolio of highly-integrated, patented solutions is developed by a world-class engineering team with decades of cumulative expertise in cutting-edge mixed-signal design. The company has design, engineering, marketing, sales and applications offices throughout North America, Europe and Asia. For more information about Silicon Laboratories, please visit www.silabs.com.

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