

MCC Voltage Tracking Reduces Low-Voltage I²C Bus Errors

Small Area Network Specialists



Consumer demand for personal devices is the driving force behind low-voltage semiconductor and sensor technology, but as voltage drops, communication errors can increase. Engineers working with low-voltage I²C Bus devices will find Micro Computer Control's new iPort/USB 2[™] I²C Bus host adapter with *Circuit Sense*[™] can communicate with embedded I²C Bus components at a wide range of bus voltages.

[Circuit Sense](#), an I²C Bus voltage monitoring technology, tracks the operating voltage of the bus, automatically adjusting digital logical levels to compensate for variations in bus voltage, and reducing communication errors.

Capable of tracking I²C Bus operating voltages of 0.5v to 5v, or powering the bus at 3.3v or 5v, the iPort/USB 2 enables engineers to debug, test, program, configure, or simulate a wide variety of I²C Bus devices, including the latest generation of low-voltage components used in personal fitness devices, wearables, smartwatches, and mobile phones.

"I²C Bus has proven to be a reliable communication link in consumer products, computers, communication, and industrial equipment." said Ed Thompson, President of MCC. "Now that its cost and space-saving features are being applied to personal devices, we wanted to offer this high-growth industry a low-voltage I²C Bus communication solution for product development and production."

The iPort/USB 2 is MCC's seventh generation I²C Bus adapter, and is the latest addition to the software compatible family of adapters used by leading technology companies world-wide. Free support for the iPort/USB 2 includes Virtual ComPort drivers for Windows, Linux, and Mac OSX, utility applications for [bus master and slave operations](#), [iBurner EEPROM programming app](#), and software development tools for [MS.NET](#), [LabVIEW](#), and direct access via ASCII-Text commands.

The iPort/USB 2 is available now. See www.mcc-us.com/iPortUSB-2 for more information.

About Micro Computer Control Corporation (MCC)

Micro Computer Control Corp. (MCC) is a privately held technology company specializing in small area network applications, including I²C Bus and other chip-to-chip communication networks. MCC products include bus adapters and monitors, with USB, Ethernet, or RS-232 host computer interfaces, and one to thirty-two separate I²C Bus ports. Customers include electronic and software engineers, programmers, test and production engineers working on a wide variety of consumer, computer, network, fiber optic, aerospace, military, and medical electronic products.

Contact Media/Technical: Ed.Thompson@mcc-us.com (609) 466-1751

Related Links:

Photo Web: www.mcc-us.com/iPortUSB-2/iPortUSB-2-Web.jpg

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Micro Computer Control Corporation

PO Box 275, 83 Princeton Avenue, Unit 1D

Hopewell, New Jersey 08525 USA

Tel: (609)466-1751 Fax: (609)466-4116 WWW: www.mcc-us.com