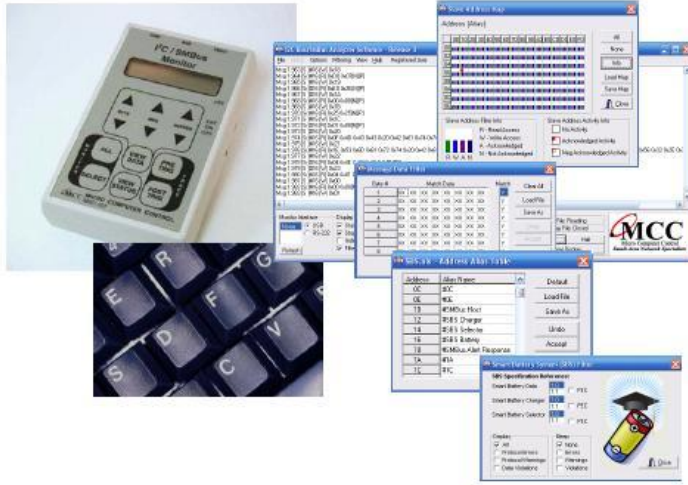# I^2C Bus/SMBus Analyzer Software (Release 3)
for MCC I^2C/SMBus Monitor (#MIIC-101)

MCC
Small Area Network Specialists

Download Version: Part Number #SMB-SW3DN

CD Version: Part Number #SMB-SW3CD

Developers working with the I^2C Bus, SMBus, PMBus, Smart Battery Systems, or other derived bus protocols, no longer need to guess at bus traffic. In addition to seeing Smart Battery System messages in engineering units, this software works with our MIIC-101 I^2C Bus/SMBus monitor and supports a variety of message filtering, message timing, data display formats, and logging options.

Pop-up tools include Slave Address filtering, Message Data filtering, Slave Address Aliasing, and Smart Battery System filter. Our I^2C Bus Address Map allows you to monitor any combination of Read/Write/Ack/Nack of bus slave addresses, and bus activity of the entire 7-bit I^2C Bus address space. Use our Message Data filter to display messages that match (good data), or not-match (bad data), data patterns. Assign user-friendly slave device names with our Slave Address Aliasing tool.

New for Release 3

- USB or RS-232 Host Computer Interface
- Slave Address Read/Write/Ack/Nack Display Filter
- Message Data Match/No-Match Display Filter
- Smart Battery System V1.0/1.1 with PEC Support
- Smart Battery System Error/Warning/Data-Violation Display Filter
- Message Start Timestamp with Absolute/Relative/Date+Time Display
- Message Display Recording to File
- Message Data Byte Index Display
- Hex/Decimal/Binary/ASCII/Comma-Delimited Data Display

PRODUCT HIGHLIGHTS

- **Companion software for our I^2C Bus Monitor (#MIIC-101).**
- **PC-based I^2C Bus and SMBus Troubleshooting Tool.**
- **Capture, Filter, Format, and Display Real-Time or Pre-Recorded Bus Messages.**
- **Log I^2C Bus Traffic for later Analysis or Display.**
- **Monitor any Combination of 7-bit I^2C Slave Addresses.**
- **Displays Start/Stop Events, Device Addresses, Read/Write Requests, Acknowledgments, and Data.**
- **Display Message Start Time from 1st, Last, or current Data and Time.**
- **Supports Hex, Dec, Bin, ASCII, Comma-Delimited, or Smart Battery System Data.**
- **Dump previously recorded messages from the I^2C Bus Monitor.**

The I^2C/SMBus Analyzer Software works with our **MIIC-101 Bus Monitor** via your PC's USB or RS-232 serial port. Together they provide the tools you need to tackle almost any I^2C Bus problem.

- I^{2}C Bus Monitor (#MIIC-101)
- I^{2}C Bus Monitor USB or RS-232 Interface Cable
- Microsoft Windows XP, Vista (x86/x64), or 7 (x86/x64)
- 1 Free USB or RS-232 Serial Port

TYPICAL APPLICATIONS

- Development: Software/Hardware Troubleshooting.
- Manufacturing: Testing and Debugging, Quality Control.
- Field Service: Field diagnosis, Repair Service, Verification.