NEWS RELEASE

For Immediate Release

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FLEXCOM104-GPS

PC/104 GPS and Multitech Socket Module Carrier Board

Tri-M Systems Vice President, Eugene Leong, is proud to introduce the FlexCom104-GPS, a unique communications platform supporting the Multitech Universal socket devices. The FlexCom104-GPS can carry up to two modules that comply with the Universal Socket. The FlexCom104-GPS includes the four-port XR16C854 quad UART providing communications to the two Universal Socket, the FV-25 GPS, and one additional serial. The XR16C854 is an enhanced quad UART supplying 128 bytes for the transmit and receive FIFOs, transmit and receive FIFO counters and trigger levels, and automatic hardware and software flow control.

The FlexCom104-GPS can be supplied with pin configurations for wireless or wired MultiTech modules. Wireless mounting holes conflict with wired status pins, and so wired status pins are not populated for wireless modules. Either two Universal Socket modules can be populated on the top-side, with one FV-25 GPS soldered to the bottom, or one Universal socket can be populated on the top-side, with one space for an FV-25 GPS to be mounted on the top. The PC/104 bus provides access to a high-speed quad UART. Two of the UART ports are brought to the serial ports, providing up to 921.6kbps. The jumper settings on the FlexCom104-GPS provide an easy way to reassign the I/O addresses and IRQs of the UART.

The FlexCom104-GPS can be supplied with each Universal socket either hard-wired to a 3.3V or 5V supply voltage or with jumper selectable supply voltages. Unless both modules are hard-wired to the 5V supply, the 3.3V regulator is supplied.

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