**Communications**

**Resource Guide 2006**

**Eurotech**
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**MVB interface**

The COM-1240 is an MVB interface board specifically developed to be used as a gateway between a PC104 system and the Multifunctional Vehicle Bus (MVB) as used in rail applications. It will allow for enhanced communications with the devices installed onboard railway vehicles, and thus simplify connections and widen compatibility.

The COM-1240 features a 32-bit, 24 MHz RISC microprocessor and supports the complete Train Communication Network (TCN) protocol stack Class 3 (optionally Class 4), up to the session layer. This will free up resource requirements on the main CPU module, as it will only need to handle the application layer of the TCN protocols.

The COM-1240 is lightweight, has very low power consumption, and is EN50155 compliant.

For more information, contact: sales@eurotech.com

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**Flexcom104-GPS**

The FlexCom104-GPS is a communications platform supporting the MultiTech universal socket devices. It 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 sockets, the FV-25 GPS, and one additional serial. The XR16C854 is an enhanced quad UART supplying 128 B for the transmit and receive FIFOs, transmit and receive FIFO counters and trigger levels, and automatic hardware and software flow control.

For more information, contact: info@tri-m.com

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**Features:**
- Architecture: PC/104 compliant
- MVB device class 3 (4 optional)
- Device interface: Electrical Middle Distance (EMD)
- Internal CPU: 32-bit, 24 MHz RISC processor
- SRAM: 1 MB accessible from host
- Supported OSs: Linux, WinCE, QNX

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**Features:**
- Two MultiTech compatible universal sockets and one RS-232 serial port
- PC104 interface to high-speed quad UART
- Selectable I/O address and IRQ with shared IRQs
- Supports 3.3/5 V MultiTech modules
- High efficiency onboard 3.3 V regulator
- Two options for GPS installation