

PYXIS-MM

Pyxis-MM GPS Receiver and Modem Carrier Board



- PC/104 carrier board for GPS receiver and landline modem module
- Compatible with: Trimble Lassen SKII 8-ch. GPS receiver module and MultiTech SocketModem family of embedded modem modules
- Built-in TTL serial-to-PC/104 bus interface
- Built-in land-line telephone interface circuit
- -40 to +85oC operation

DESCRIPTION

Pyxis-MM enables you to install a Trimble Navigation GPS receiver module and the SocketModem family of embeddable modem modules from MultiTech Systems onto a PC/104 system. Use it to provide location identification and communications features for vehicle-based embedded systems such as vehicle tracking, navigation, or precision farming. Or use it to communicate via land-line telephone connection to remote equipment such as weather stations or oil & gas wells.

You can install a GPS receiver module alone, any one SocketModem module alone, or a GPS receiver plus a modem module. Pyxis-MM includes all the necessary I/O circuitry to interface the selected modules onto the PC/104 bus, including serial ports, power supplies, and land-line telephone interface. A backup power connector is provided to maintain GPS almanac and minimize time to first fix. The board runs on +5V and operates over -40 to +85oC.

SPECIFICATIONS



ORDERING INFORMATION

Part No.	Description
TMM-USB4P	PC/104+ USB 2.0 4 Port Module

FOR MORE INFORMATION

Diamond Systems Corporation
 1255 Terra Bella Avenue
 Mountain View, CA 94043
 Tel: 650-810-2500
 Fax: 650-810-2525
techinfo@diamondsystems.com

A low-cost version with one Ethernet port and no digital I/O is also available as model no. MRC-100-XT.

Configuration Options

Several features are configurable using either a dual-row 2mm size jumper block or a switch. Provision is made on the board for zero-ohm resistors to replace jumpers to enable a hard-wired configuration.

- * Digital I/O base address (8 address options with 3 jumpers)
- * Digital I/O configuration: pull-up enabled or disabled
- * PCI slot selection for each Ethernet port

ORDERING INFORMATION

Part No.	Description
MRC-224-XT	PC/104+ Dual 10/100Mbps Ethernet Module

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