



MEBII

Modbus Plus & Modbus / TCP Ethernet Bridge

Description

The MEBII is a Unity Pro compatible, fully functional, bi-directional Modbus Plus to Ethernet bridge. Devices on either network can access devices on the other network. This network traffic can be I/O and register data or programming commands from Unity Pro or any other programming package.

The Modbus Plus port provides redundant cable connections and may also be used in standard single cable networks. The MEBII supports the full ve drop MB+ routing allowing support for downstream Bridge Plus and Bridge Mux networks.

The MEBII includes two isolated serial ports that support 18 different protocols including Modbus RTU and ASCII (Master and Slave). Serial devices may access or be accessed from devices on Ethernet, Modbus Plus, or the other serial port.

The MEBII is a stand-alone version of Niobrara's popular MEB-RT with the following features:

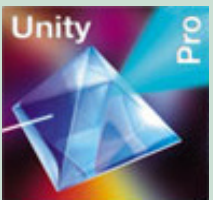
- ‡ DIN rail mount
- ‡ 24VDC Operation
- ‡ Dual Cable Modbus Plus
- ‡ 100BaseT RJ45 Ethernet port
- ‡ Two Isolated serial ports switchable between RS-232 (RJ45) and RS-485 (5-position screw terminal)
- ‡ LCD and keypad for configuration and status
- ‡ Automatic Modbus/TCP and serial routing table configuration
- ‡ Ethernet, Serial, and MB+ I/O Scanning
- ‡ MB+ Global Data support

...bi-directional communication between devices on the Modbus Plus network and devices on the Ethernet network.

...front panel LCD and keypad makes configuration a snap.

Front Panel Operation

The MEBII's front panel LCD and keypad make configuration a snap. The basic Ethernet, MB+, and serial port settings may all be inspected and modified from the front panel. The arrow keys allow quick access to the device's firmware versions, serial number, MAC address, MB+ station list, and port communication statistics. The front panel may be password protected to prevent unauthorized activity.



Default Screen	Main Menu	Statistics	MB+ Con g	MB+ Stations

Modbus Router

The MEBII can route messages between Modbus/TCP Ethernet, Modbus Plus, and Modbus Serial (RTU or ASCII); all at the same time. The Ethernet port may be a client and server. The serial ports may be connected to masters or slaves. Any master can communicate with any slave on any other port. These masters may be a programming package such as Unity Pro, Concept, or ProWORX.

