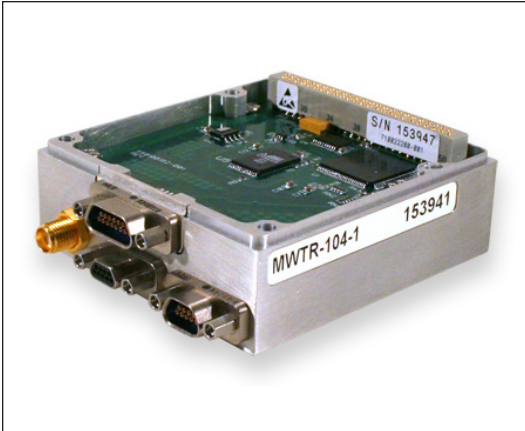


## Miniature Wireless Transceiver



### Applications

- System programming
- Monitoring and Evaluation
- Truth Data (simulation and verification)

### Features

- Bluetooth wireless to RS-232 gateway module
  - Can be used with all TTC hardware having an RS-232 port for system programming
  - Loads and verifies system set up parameters
  - Negotiates baud rate change between TTCWare and the target hardware
  - Supports baud rates up to, and including, 57.6k
  - Requires an external antenna (ordered separately)
- Can be installed in any MCDAU form factor stack
- Can function as a stand-alone unit with the addition of a power supply
- Supports a direct (wired) RS-232 connection
  - When Bluetooth wireless connection is unavailable
  - For troubleshooting purposes

### Description

The MWTR-104 module provides wireless Bluetooth capability to TTC's MEDAU-2000, MCDAU-2000, MARM-2000 or MWDAU-2000 series products as an integrated part of the stack. The module operates as an intermediary between the system stack and a Bluetooth enabled unit (e.g. PDA, PC). This module is powered by the internal 5V supply provided by the system stack, or it can function as a stand-alone unit with the addition of a power supply and end plate. In the stand-alone configuration, it can be used with any TTC system having an RS-232 port for programming. The module provides two paths by which the user can collect data: via wireless (Bluetooth) or hardwired RS-232. In the event that a wireless connection is not preferable, connection to the hardwired auxiliary RS-232 port will support data transfer. The MWTR-104 monitors the auxiliary RS-232 connector, and when connected to the auxiliary RS-232, wireless data transfer is disabled.

The module also monitors a baud rate change request and acknowledgement so that the Bluetooth device on the MWTR-104 can be adjusted to the new baud rate. The versatility of this module ensures that data transfer can be accomplished in both wired and wireless modes at various baud rates.

Revision 02/23/2009

### MWTR-104 Datasheet

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