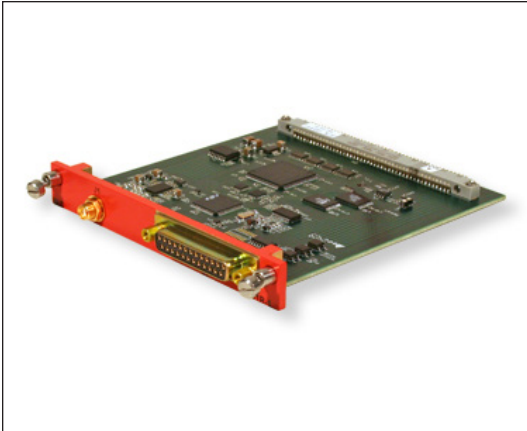


Bluetooth Interface Card



Applications

- Remote wireless data collection
- Remote wireless GPIO
- Flight test measurements

Features

- Bluetooth wireless controller module
 - For use with a TTC Bluetooth remote PCM module
 - Requires an external antenna (ordered separately)

Description

The BLT-101R Bluetooth interface card forms part of TTC's wireless line of distributed data acquisition units. The BLT-101R has two functional modes: data mode and terminal mode. In data mode the BLT-101R collects PCM serial output data stream transmitted transparently via a Bluetooth 2.0 radio link. The PCM serial data stream is collected by the MBLT-101T and sent wirelessly without the addition of Bluetooth overhead or packetization (transparent mode). PCM data is provided via the differential PCM data and clock signals on the J2 front panel connector of the BLT-101R when in an EDAU chassis. In addition to PCM collection in this mode, the BLT-101R will monitor and adjust its adaptive output clock frequency to maintain a constant buffer level of received PCM serial output data.

In terminal mode the BLT-101R will act as an intermediary to transmit all system commands sent by TTCWare and receive all MMEI-105 system responses from the MBLT-101T. This mode will allow the user to load and verify files, changing data rates, bit rates, set up information, etc., for the system stack containing the MBLT-101T. By monitoring the BLT-101R status parameter through the MEI-105 RS-232 COM connection, the user will be informed when the system stack has entered terminal mode; the system is now ready to receive system configuration commands. Upon completion of a load and verification of all files, the MBLT-101T will be re-initialized and the Bluetooth link will be severed. The BLT-101R will automatically re-establish the link.

For the wireless connection, the BLT-101R will act as the link controller. The controller will initiate Bluetooth mode changes, monitor the link and alert the MBLT-101T to start PCM data transfer.

Revision 05/12/2015

BLT-101R Datasheet

©2015 Teletronics - A Curtiss-Wright Company
Specifications subject to change without notice.

Approved for Public Release 15-S-2345



CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com