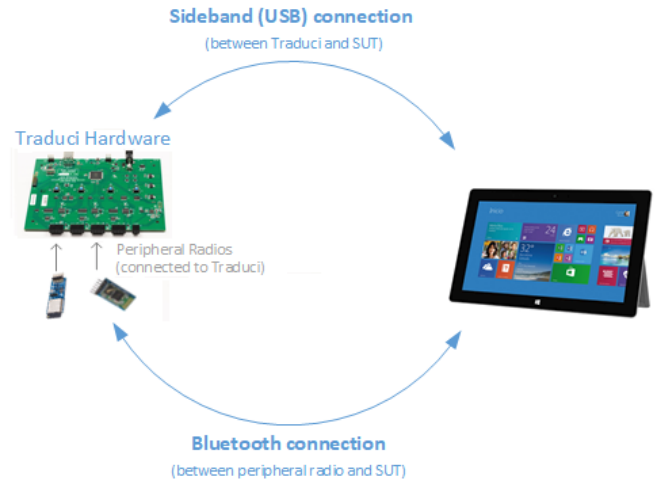
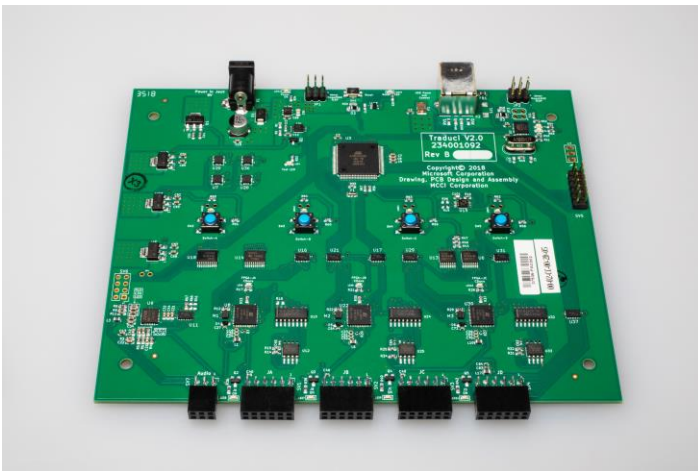


The [Bluetooth Test Platform \(BTP\)](#) is designed by Microsoft and MCCI for automating testing of Bluetooth hardware, drivers, and software. The BTP can be used to exercise Bluetooth radios both in the host (PC) and peripherals, and is intended to be an extensible framework.

The BTP consists of the [MCCI Model 2411 Traduci hardware](#) platform combined with supporting software from Microsoft. The BTP hardware platform supports power management and sideband control of peripheral radios connected to it, while the software package includes tests, a firmware package, and a provisioning tool.



The [Bluetooth Test Platform \(BTP\) software package](#) contains tools for testing the interoperability of Bluetooth enabled peripherals and systems with the Windows Bluetooth stack. The included document provides a brief overview of the ways to configure the hardware and suggests topologies for better test coverage. Procedural information about how to run the tests and collect trace events from the Bluetooth Windows stack are included in the package.

Documentation is available on MSDN on how to build adapters using BTP to test Bluetooth modules, audio modules, and I2C interfaces for compatibility with Windows 10.

See the following links:

- [Bluetooth Driver Testing Resources](#)
- [Bluetooth Test Platform \(BTP\) Overview](#)
- [Setting Up BTP](#)

Features

- Supports I2C, SPI, I2S, and UART serial protocols.
- Programmable power supplies for I/O standards from 1.7 to 3.3 volts.
- Three low-power iCE40 UltraPlus 5k LUT FPGAs from Lattice Semiconductor for flexibility and extensibility.
- Audio codec on-board with dedicated connectivity eases loop-back audio testing.

- Arduino-based control module integrated on-board.
- Four industry-standard Pmod 12-pin headers support a variety of third-party plug-in modules, or connect to DUT.
- Push buttons for local manual control of tests.
- Optional enclosure.

Supported BTP Tests

These are the currently supported tests. Additional tests are planned and under development. Updates will be listed here as they become available.

- [Pairing Tests](#)
- [HID Tests](#)
- [Audio Tests](#)
- [Audio and HID Scenario Tests](#)
- [Battery Tests](#)
- [Wi-Fi and Bluetooth Audio Coexistence Tests](#)

Supported BTP Radios

Supported radio hardware boards for BTP testing are listed below. (Radio boards are not included with BTP; they must be separately ordered from the MCCI store)

- [Model 2433 ESP32 Radio Sled](#)
- [Model 2431 RN42 Radio Sled](#)
- [Model 2432 RN52 Audio-Capable Radio Sled](#)
- [Model 2434 Bluefruit Radio Sled](#)

Kit Contents

- Fully assembled and tested Model 2411 Traduci I/O Translator.
- USB 2.0 Std A to Std B Cable.

Mechanical

- **Size:** 157 mm × 125.9 mm.
- **Connectors:** four 12-pin Pmod™ connectors (2x6 right-angle) 2.54mm (0.1”) pitch. One 6-pin connector (2x3 right-angle) 2.54mm (0.1”) pitch. Barrel connector for external Arduino-compatible 9V DC power supply (not included).

Custom Variants

Special variants of the Traduci and supported radio boards are available by request. Please write sales@mcci.com with your requirements.

More Information

For more information, please contact MCCI at sales@mcci.com, Twitter [@MCCI](https://twitter.com/MCCI), or visit <https://mcci.com>.