

FT4232HA is a USB2.0 hi-speed multi-purpose USB bridge IC that has been qualified for AEC temperature grade 2 applications in the automotive domain. USB bridge function is compatible with FT4232H – Quad high-speed USB to multipurpose UART/MPSSE bridge.

FT4232HA USB application demonstrates how to use FT4232HA to control the following modules using a notebook PC via USB to MPSSE/UART/GPIO converter over the notebook's USB type A Port.

- 1) an ambient light sensor
- 2) a distance sensor with buzzer
- 3) a BT/BLE module for wireless communication via phone/tablet
- 4) MP3 module

This demo setup shows FT4232HA mini module connected to the USB-A port on the notebook and application running to:

- 1) Record the light intensity of the surrounding environment using an ambient sensor.
- 2) Capture the distance when an incoming object is detected by the distance sensor and sound the buzzer as it approaches the sensor
- 3) Allow users to send and receive messages by wirelessly connecting to the demo setup via a phone or tablet
- 4) Play music and adjust sound volume with MP3 module.

