

**FT233HP** is a hi-speed USB bridge IC with a Type-C controller that is compatible with the latest USB Type-C and Power Delivery standards. This USB bridge function is compatible with FT232H – Single high-speed USB to multipurpose UART/MPSSE bridge. Type-C/PD controller supports two Type-C ports, with PD1 configurable as power sink, or dual role, and PD2 working as a sink.

With the FT233HP USB Type-C sink only application, we demonstrate the use of a FT233HP to control and power the following modules using the notebook PC via a USB to UART converter over the notebook's USB-C port, and powering the peripherals through the 2 PD ports.

This demo setup, connects the PD1 to a USB-C port of the notebook, sinking the power at 5V, providing power as well as sending commands to MP3 module through UART for playback and audio volume control.

A USB-C charger connected to PD2 will supply power to the audio amplifier module. The USB-C meter monitors and displays voltage and current of the sink power on both the PD ports.

- 1) MP3 Modules
- 2) Audio amplifier

