

**FT232HP** 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/MPSSSE bridge. Type-C/PD controller supports one Type-C port, with PD1 configurable as power sink or dual role.

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 I2C commands to the light sensor to read and record the light intensity when the LED strip is turned on.

With the FT232HP USB Type-C sink only application, we demonstrate the use of a FT232HP to control and power the following modules using the notebook PC via a USB to MPSSE converter over the USB-C port, and powering the peripherals through the PD port -

The USB-C meter monitors and displays voltage and current of the sink power on the

- 1) Ambient light sensor
- 2) LED strips

