

Product Overview

FUSB302: Programmable USB Type-C Controller with PD

For complete documentation, see the [data sheet](#).

The FUSB302 targets system designers looking to implement a DRP/SRC/SNK USB Type-C connector with low amount of programmability. The FUSB302 enables the USB Type-C detection including attach, and orientation. The FUSB302 integrates the physical layer of the USB BMC Power Delivery protocol to allow up to 100 W of power and role swap. The BMC PD block enables full support for alternative interfaces of the Type-C specification. Reference code is available for the FUSB302 for easy implementation of Type-C and USB BMC Power Delivery protocol across several embedded controller platforms. Click on the Software link below.

Features

- Dual-Role Functionality with Autonomous DRP Toggle
- Ability to connect as either a host or a device based on what has been attached.
- Software configurable either as a dedicated host, dedicated device, or dual role
- Dedicated devices can operate both on a Type-C receptacle or a Type-C plug with a fixed CC and VCONN channel.
- Full Type-C 1.1 Support. Integrates the following functionality of the CC pin
- Attach/Detach Detection as Host
- Current Capability Indication as Host
- Current Capability Detection as Device
- Audio Adapter Accessory Mode
- Debug Accessory Mode

For more features, see the [data sheet](#)

Applications

- This product is general usage and suitable for many different applications.

For more information please contact your local sales support at www.onsemi.com.

Created on: 5/27/2020