



FUSB303BTMX

Autonomous USB Type-C Port Controller with I²C and GPIO Control

The FUSB303 device is a fully autonomous USB Type-C™ controller optimized for 15 W or less applications. The FUSB303 offers CC logic detection for Source Port role, Sink Port role, DRP, and accessory detection support, as well as Dead Battery support as defined in USB-C specifications. The FUSB303 features configurable address I2C access to support multiple ports per system or it can operate autonomously configured by just pins. The FUSB303 features ultra-low power during operation, and an ultra-thin, 12-Lead QFN package.

- Fully Autonomous USB-C™ Port Controller
- Supports Latest Type-C™ Specification Release 1.3
- Source, Sink, and DRP Port role Configuration with Optional Accessory Support
- Try.SRC and Try.SNK modes for Preferring Source Role or Sink Role Respectively
- Typical Low Power Operation: ICC < 10µA
- Max 28 V DC Tolerance on ID, VBUS_DET, CC1 and CC2
- Dead Battery Support (Sink Port role when No Power Applied)
- GPIO and I2C Configuration
- 4 kV HBM ESD Protection for Connector Pins
- Minimal or no processor interaction needed
- Meets the latest USB-C specification
- Flexible modes depending on end product
- Features to create preferred device modes
- Low power consumption
- Protects against erroneous shorting between leads
- Allows devices with dead batteries to still connect to a supply
- USB-C™ Port Controller
- Smartphones
- Tablets
- Laptops
- Accessories
- Industrial

	Pricing (\$/Unit)	Compliance	Status	Mode Support	Power Delivery Communication Support	IC Features	Package Type
FUSB303BTMX	0.2346	 	Active		No	State machine based	X2QFN-12