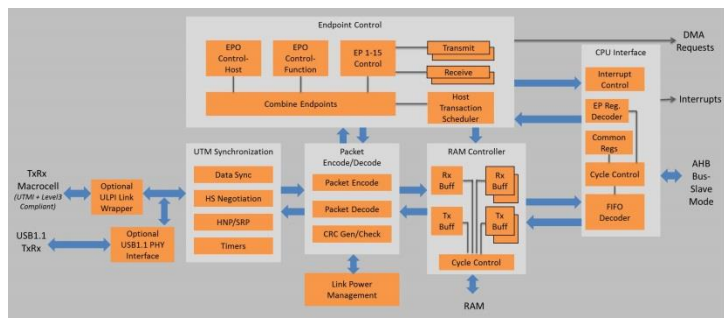


USB 2.0 Multipoint OTG Controller

Overview

The Sibridge Technologies® MUSBMHDC is a multi-point Speed dual role USB controller with complete USB On-The-Go (OTG v1.3/2.0) capabilities for use in point-to-point communications with other OTG devices and host computers, as well as in multi-point communications with a network of USB 2.0 peripherals and hubs.



Features

- Applicable to either point-to-point or multi-point USB OTG
- Complies with the USB 2.0 standard for Hi-Speed and Full-Speed functions and with the OTG supplement to the USB 2.0 specification
- Compliant to High-Speed, Full-Speed, or Low-Speed USB devices
- Can be used as either host or peripheral in point-to-point OTG
- Supports session request protocol (SRP) and host negotiation protocol (HNP)
- Configurable for up to 15 transmit and 15 receive endpoints
- Configurable FIFOs with option of dynamic FIFO sizing
- Synchronous RAM interface for FIFOs
- 32-bit AMBA AHB-compatible CPU interface supporting multilayer operations
- UTMI+ Level 3 transceiver interface with optional ULPI link wrapper
- Optional USB 1.1 PHY interface
- Support for external DMA access to FIFOs and internal DMA access via built-in DMA Controller

Resource Utilization

Family	Logic	RAM	Performance	
			Protocol	System
SmartFusion2 IGLOO2 RTG4	7220 LUTs	2 RAM1K18	60MHz @ 8bit	58 MHz @ 32bit

Related products

- USB2.0 HSIC interface Design IP
- USB2.0 Device only controller Design IP
- xHCi compliant USB3.1 Host Controller Design IP
- USB3.1 Device Controller Design IP
- USB3.1 Verification IP with backward compatibility to USB2.0 and support for PIPE/UTMI/ULPI PHY interfaces

For pricing, evaluation and additional information
contact sales@sibridgetech.com