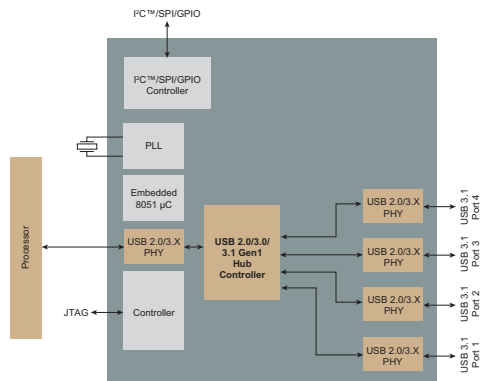


USB Connectivity Solutions

Complete Portfolio of Integrated USB Products for Ubiquitous Connectivity

USB technology can be found in practically all applications and markets—from consumer to industrial to automotive segments. The extreme proliferation of USB has even led to the adoption of the technology as a high-bandwidth embedded chip-to-chip interface. Microchip enables seamless USB connectivity by delivering integrated value rich solutions such as USB smart hub controllers, USB-C™ power delivery and charging, transceivers/switches, flash media controllers and security solutions, all with the most extensive and proven interoperability.

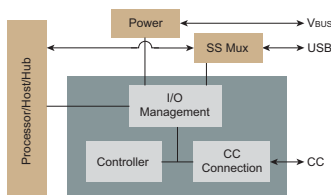
USB Smart Hub Controllers



USB24XX/USB25XX/USB350X/USB380X/ USB3X13/USB46X4/USB5XXX Families

- USB-IF compliant Hi-Speed USB 2.0 and SuperSpeed USB 3.0/3.1 Gen1 solutions with USB-C
- Smart hub controller providing flexible ease-of-use and programmability including FlexConnect and I/O bridging
- Small, highly integrated and low-power hub solutions offered specifically for mobile applications
- Multi-port solutions with battery charger detection
- Unique system optimization features including PHYBoost and VariSense™ technology

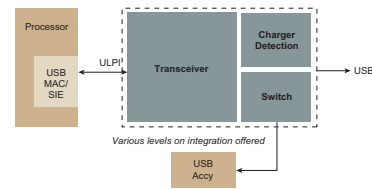
USB-C Power Delivery and Battery Charging



UPD360 and UTC2000 Families

- Flexible solutions to scale designs from basic USB-C to full-featured power delivery with alternate mode support
- Integrated solutions to minimize BOM cost and board space
- Scalability to multiple USB-C ports

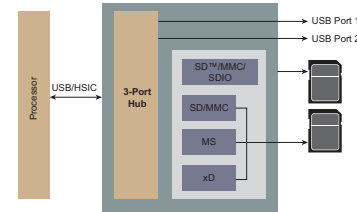
USB Transceivers and Switches



USB333X/USB334X/USB374X/USB375X Families

- ULPI standard interface to transceivers
- Compliant Hi-Speed USB 2.0 switch technology for USB port sharing
- Battery charger detection integrated
- Smallest package option available, ideal for mobile applications

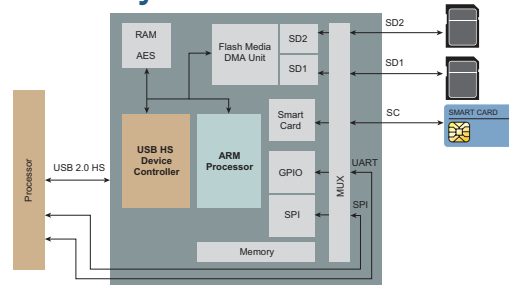
USB Flash Media Controllers



USB22XX/USB26XX/USB464X Families

- Secure Digital (SD™)/microSD™, Embedded MultiMediaCard (eMMC™)/MultiMediaCard™ (MMC), Memory Stick® (MS)/MS Pro™/MS Pro-HG™, xD-Picture Card™ (xD)
- Card speed technology for maximum data throughput
- Integrated USB hub ports for highest integration
- Flexible interfaces to processor supported including USB and HSIC

USB Security



SEC11XX/SEC12XX Families

- Multiple standard smart card interfaces including ISO/IEC7816
- Flexible host interfaces supported including USB and UART
- Extremely fast and optimized secure data transfers with no firmware intervention



MICROCHIP

Product	Description	Processor Interface	# of Downstream Ports	Card Formats	Industrial Version	Package
USB Hub Controllers						
USB2422	Small-footprint, 2-Port Value Hub, Commercial and Industrial Temperature with USB Battery Charging 1.1	USB 2.0	2	–	✓	24-pin QFN
USB251XB/ USB2517	Hi-Speed USB 2.0 Hub with Battery Charger Detection	USB 2.0	2, 3, 4, 7 port options	–	✓ Automotive	36 or 64-pin QFN
USB3503A	3-Port Hi-Speed USB 2.0 HSIC Hub for Mobile Applications	HSIC	3	–	✓	25-ball WLCSP
USB3803B	3-Port Hi-Speed USB 2.0 Hub for Mobile Applications	USB 2.0	3	–	✓	25-ball WLCSP
USB3X13	3-Port Hi-Speed USB 2.0 Smart Hub for Mobile Applications	USB 2.0 or HSIC	3 (USB 2.0 ×2/ HSIC ×1)	–	✓	30-ball WLCSP
USB253X	Hi-Speed USB 2.0 Controller Hub with Battery Charger Detection	USB 2.0	2, 3, 4 port options	–	✓	36-pin QFN
USB46X4	Hi-Speed USB 2.0 Controller Hub with USB and HSIC Interfaces	USB 2.0 or HSIC	4 (USB 2.0 ×4 or USB 2.0 ×2/ HSIC ×2)	–	✓ Automotive	48-pin QFN
USB553XB	SuperSpeed USB 3.0 Hub with Battery Charger Detection	USB 3.0	2, 3, 4 or 7 port options	–	✓	64 or 72-pin QFN
USB5734	SuperSpeed USB 3.1 Gen1 Smart Hub Controller with I/O Bridging and FlexConnect	USB 3.1 Gen1	4	–	✓	64-pin QFN
USB5744	SuperSpeed USB 3.1 Gen1 Small Form Factor Hub Controller	USB 3.1 Gen1	4	–	✓	56-pin QFN
USB58XX/ 59XX	SuperSpeed USB 3.1 Gen1 Smart Hub Controller with USB-C Support	USB3.1 Gen1	6, 7 port options	–	✓	100-pin QFN
USB-C™ Power and Charging						
UPD360	USB-C Power Delivery Port Controller	I ² C/SPI	1 DRP	–	–	–
UTC200X	USB-C Controller	I/O	1 DFP or 1 UFP	–	✓	16-pin QFN
USB Transceivers/Switches						
USB333X	Mobile Hi-Speed USB 2.0 Transceiver with Multi-frequency Support	ULPI	–	–	✓	25-ball WLCSP
USB334X	Hi-Speed USB 2.0 Transceiver with Multi-frequency Support	ULPI	–	–	Automotive	24 or 32-pin QFN
USB3300	Hi-Speed USB 2.0 Transceiver (24 MHz reference clock support)	ULPI	–	–	✓	32-pin QFN
USB3740B	Hi-Speed USB 2.0 Switch with Extremely Low Power	USB 2.0	–	–	✓	10-pin QFN
USB375XA-X	Hi-Speed USB 2.0 Port Protection with Switch and Charger Detection	USB 2.0	–	–	✓	16-pin QFN
USB Flash Media Controllers						
USB224X	Hi-Speed USB 2.0 Multi-Format Flash Media Controller	USB 2.0	–	SD™/MMC/ eMMC™/MS/xD	✓	36-pin QFN
USB225X	Hi-Speed USB 2.0 Multi-Format Flash Media Controller	USB 2.0	–	SD/MMC/eMMC/ MS/xD/CF	✓	128-pin VTQFP
USB264X	Hi-Speed USB 2.0 Multi-Format Flash Media Hub Controller	USB 2.0	2	SD/MMC/eMMC/ MS/xD	✓	48-pin QFN
USB2660	Hi-Speed USB 2.0 Multi-Format Flash Media Hub Controller	USB 2.0	2	SD/MMC/eMMC/ MS/xD (×2)	✓	64-pin QFN
USB4640	Hi-Speed USB 2.0 Multi-Format Flash Media HSIC Hub Controller	HSIC	2	SD/MMC/eMMC/ MS/xD	✓	48-pin QFN
USB Security						
SEC1110	Smart Card Controller	USB 2.0	–	Smart Card	✓	16-pin QFN
SEC1210	Smart Card Controller with Multi-Interface Support	USB 2.0	–	Smart Card ×2	–	24-pin QFN



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