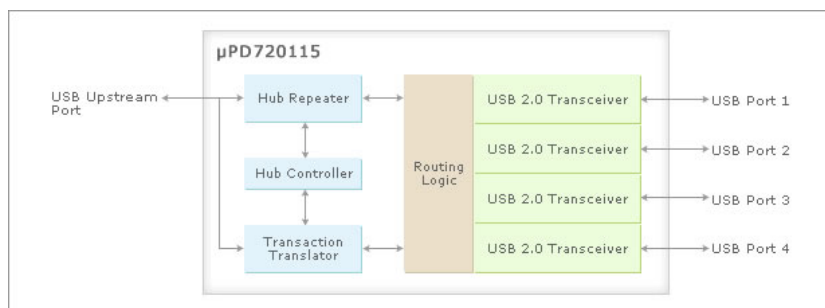


μPD720115 is a USB 2.0 hub controller which supports USB Battery Charging specification 1.2 and it can charge various portable devices, like smart phone and Tablet PCs. μPD720115 integrates two regulators to eliminate external regulators and this saves system costs. μPD720115 enhances operating temperature range from -40 to +85 degree and it is suitable for various markets, including consumer and industrial market.

Specifications

- ▶ Compliant with Universal Serial Bus Specification Revision 2.0, which is released by USB Implementers Forum, inc
 - Low-speed (1.5Mbps) / Full-speed (12Mbps) / High-speed (480Mbps)
 - Supporting USB2.0 Link Power Management
 - USB-IF Certified : TID(Test ID) = 30000066
- ▶ Got Windows Hardware Certification for Windows 8 and Windows 8.1 (Submission ID =1617556)
- ▶ Supports USB battery Charging Specification Revision 1.2 and other portable devices
- ▶ Configurable downstream port counts of 2,3, or 4 ports
- ▶ Supports Individual/Gang power control/over-current detection
- ▶ Supports USB 2.0 Compound (non-removal) devices by I/O pin strapping
- ▶ Single 5V power supply, on-chip LDO for 3.3 V from 5 V and 1.05 V from 3.3 V
- ▶ System clock: 24 MHz Crystal or Oscillator
- ▶ Supports 24MHz clock output from non-removal device on downstream port
- ▶ Small foot print using small QFN package (40pin QFN)

Internal Block Diagram



Application

- ▶ USB hub box
- ▶ Monitor
- ▶ PC, Docking station, Port replicator
- ▶ Digital TV, Set-Top-Box
- ▶ Multi function printer
- ▶ Other Industrial equipment

Order Information

| Order Name | Package | Ta |
|-----------------------|--------------------------------------|----------|
| UPD720115K8-611-BAK-A | 40-pin QFN (6mm X 6mm) Lead(Pb) Free | 0~85°C |
| UPD720115K8-711-BAK-A | 40-pin QFN (6mm X 6mm) Lead(Pb) Free | -40~85°C |