

[← USB ASSP](#)
[μPD720114](#)
[μPD720115](#)
[μPD720200A](#)
[μPD720201](#)
[μPD720202](#)
[μPD720210](#)
[M66291](#)
[R8A66593](#)
[R8A66597](#)
[μPD720102](#)
[μPD720211](#)
[μPD720231A](#)
[Downloading Files](#)

## μPD720115

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.

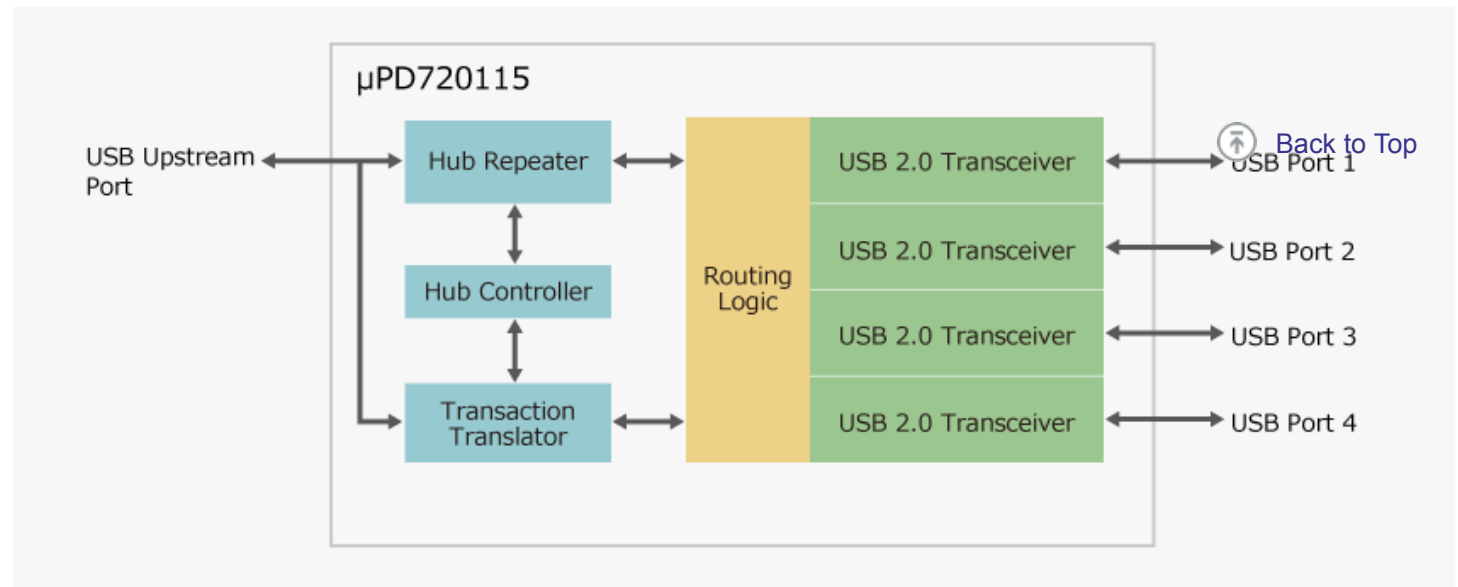
μPD720115 integrates two regulators to eliminate external regulators and this saves system costs. μPD720115 enhances operating temperature range from -40 to +85 degree and it is suitable for various markets, including consumer and industrial market.

[Product Info](#)
[Design Support](#)
[Documentation](#)
[Downloads](#)

### 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

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