AT43USB380

USB 2.0 FULL SPEED OTG/HOST/FUNCTION PROCESSOR
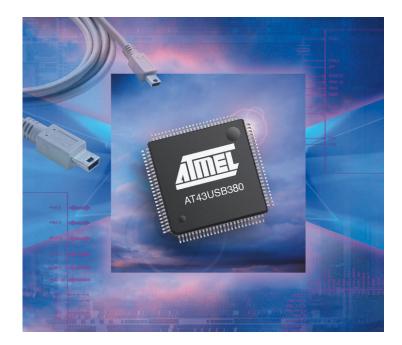
PLUG & PLAY ON-THE-GO SOLUTION FOR EMBEDDED APPLICATIONS

AT43USB380: THE BEAUTY OF SIMPLICITY

VISIT: *HTTP://WWW.ATMEL.COM/AD/PLUGPLAYOTG*

Atmel's AT43USB380 is an all-in-one USB solution designed specifically to hide the complexity of adding OTG/host functionality to embedded designs. It features:

- An intelligent OTG/host/function processor capable of managing USB transactions without system processor intervention

- A processor/RTOS independent software suite that includes standard USB class device drivers and simple Application Programming Interface (API) for custom driver development

With the AT43USB380, in-depth knowledge of USB protocol is no longer a prerequisite for your USB development.

FLEXIBLE HARDWARE DESIGN
INSTANT USB POINT-TO-POINT SOLUTION FOR EMBEDDED DEVICES

- Three operating modes: OTG, standalone host and standalone function
- Configurable system bus interface suitable for 32-/16-/8-bit system processors
- Generic design compatible with any standard USB class and proprietary devices

INTELLIGENT ARCHITECTURE
MINIMAL CONSUMPTION OF SYSTEM RESOURCE

- Enumeration without system processor intervention
- Automatic USB frame scheduling and transaction management without interrupts to the system processor
- High-speed DMA data transfer across system bus

COMPREHENSIVE SOFTWARE SUITE
NO USB EXPERTISE REQUIRED

- Standard USB class drivers
- Easy-to-use system APIs to build custom USB device drivers
- On-chip USB HUB driver

MINIMAL CUSTOM ENGINEERING
FASTEST TIME-TO-MARKET

- No need to develop and port USB software
- No time wasted for compatibility testing with different classes of USB devices from different vendors

http://www.atmel.com/ad/plugplayotg