

Request #: HUTRR79
Title: Peripheral Device Power
Spec Release: 1.12
Received: 06 Oct 2017
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Required Voter: Microsoft
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Summary:

This proposal is to add a new application collection to Universal Serial Bus usage tables for HID Power Devices. This new application collection would indicate that the power device is a peripheral device. This will help the host machine differentiate between a real UPS like device providing power to the host machine and an attached device that has an internal battery.

Background:

The usages that are defined in HID Power Devices are useful in describing and reporting the battery and charging status of devices. The application collections available only define UPS and PowerSupplies. Adding an application collection would let peripheral devices, for e.g. keyboards, headphone, cameras e.t.c to describe their battery information.

Some of the usages that may be used under this collection are Charging, Discharging, Fully Charged, Remaining Capacity, Full Charge Capacity, Run Time To Empty etc.

Proposal:

Change #1 is in "4.1 Power Device Page (x84)"

Table 2: Power Device Page

06	PeripheralDevice	CA	N/A	4.1.1
07-OF	Reserved			

Change #2 is in "4.1.1 Power Device Structure"

PeripheralDevice A collection of data that defines a Peripheral Device