Hi Team,

For a new product I'm looking for a USB power management controller that will be located in this product.

The product will have two modes of operation:

1. Standard Mode –
   * During operation, my product will receive it's 5V supply from the USB VBUS of the HMD, data interface is Full/High Speed USB 2.0.

System diagram for Standard Mode:



1. Charging Mode –
   * During charging, my product will be connected to 5V power adapter and provide the VBUS (5V) to the HMD via the Type-C USB interface.

System diagram for Charging Mode:



Could you please advise what is the recommended circuit/device to handle this task of power management for the VBUS switching?

Thanks,

Shlomi