



GLB50G embeds an 8-bit RISC processor to manipulate the control/status registers and respond to the requests from USB host.  
Firmware of GLB50G will control its general purpose I/O (GPIO) to access the external EEPROM and then respond to the host the customized PID and VID configured in the external EEPROM.  
Default settings in the internal mask ROM is responded to the host without having external EEPROM.  
The more complicated settings such as PID, VID, and number of downstream ports settings are easily achieved by programming the external EEPROM.

Internal usb hub. We want=need:  
-> 5VDC power source  
-> 1 x USB1.1 keyboard + touchpad + PSU  
-> switched USB2.0 webcam  
-> switched USB2.0 audio + mic

Specialized power charger USB-OTG with "condom" - adapt the PSU USB-OTG with this option.  
PSU charger can act as OTG when DCin disabled/ unplugged (Vbus>Vdc).

Balthazar UI-Board / internal periphery  
keyboard + trackpad USB1.1,  
webcam USB2.0, audiocard USB2.0

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**Title:**

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