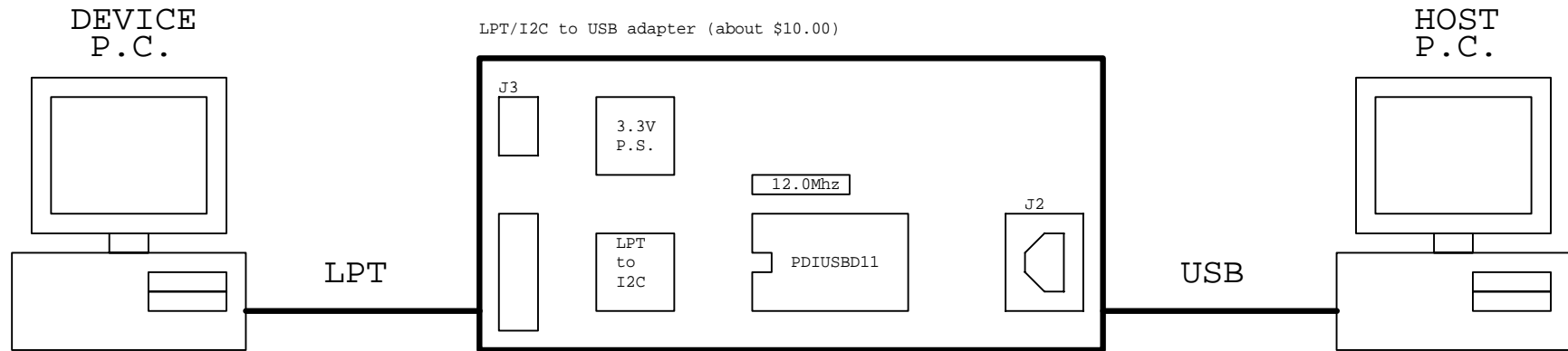


# LOW COST USB DEVELOPMENT PLATFORM



## DEVICE P.C.

Hardware = (old) low cost  
 OS = MS-DOS  
 Tools = Turbo C/C++ or equiv.  
 Bit-Banged I2C via LPT

### Use:

USB Device Firmware is developed on this machine as a native X86 DOS application.

The device firmware is executed by the P.C. processor.

The developer can take full advantage of the P.C. development platform, outputting activity to the screen, and receiving user input from the keyboard and mouse.

Also provides an easy mechanism for connecting to other target hardware.

Turbo C cost \$69.00, very affordable.

## J1 - LPT/I2C

1. LPT.D0 - I2C.SCL
2. LPT.GND
3. LPT.D7 - I2C.SDA
4. LPT.ACK - D11.IRQ
5. LPT.PEND - D11.SUSPEND

## J2 - USB/B

## J3 - External Power

1. V+
2. GND

## HOST P.C.

Hardware = Modern P.C.  
 OS = Win98, Win2K, WinMe  
 Tools = Developer Studio  
 USB Host interface

### Use:

USB Device driver, dlls, and application software are developed on this machine.