Circuit Description

GOGOPAD 的线路说明

GOGOPAD General Functional Description

A, IC--EKT8120 是触摸屏控制 IC，通过这颗 IC 将手指在触摸片上的划动转换为坐标值信号，然后供给后面的蓝牙模块进行判断。

A.IC-EKT8120 is the microcontroller for the capacitive touch pad.　The controller IC converts finger moving or pressing to either mouse movement or button press signal for Bluetooth module for further processing.

B，蓝牙模块 BCM2042 收到触摸屏传来的坐标信号将之转换为鼠标的光标信号并通过蓝牙无线方式传给电脑，实现触摸片完成光标移动的动作。同时蓝牙模块将各个按键的信号通过蓝牙无线方式传给电脑，实现各按键的指定功能。

B. BCM2042 receives the touch pad signal and converts the signal into the digital information then transfers the information to the computer through wireless Bluetooth connection.　Also this module will receive GOGOPAD buttons clicking signal then transfer the signal to the computer through the Bluetooth connection.

C，镭射灯通过按键开关的控制，实现点亮和熄灭的功能。

C. Laser pointer can be turn on or off by pointer switch.

D，通过前端的 DC 接口或后端的 PCMCIA 接口引入电脑的电源，再经过电路里的充电电路可对锂电池进行。

D. Two charging options available for GOGOPAD built-in Lithium rechargeable battery.　First, the GOGOPAD can be charged by a USB port with enclosed cable.　Alternatively, the GOGOPAD can be inserted into a PCMCIA port and charged directly through laptop power.

E，蓝牙模块附合按蓝牙 2。0 标准。

E. The Bluetooth module is fully compliant with the version 2.0 Bluetooth specification, including adaptive frequency hopping and fast connection.