

ZHUHAI HENGYU NEW TECHNOLOGY CO., LTD.

Keyboard Working Block Diagram

Model: HY86D

FCC ID: PA7K086A

Specifications

1. Interface port: AT mode, PS/2 port

2. Working principle & circuit constitution:

The circuit of keyboard consists of three parts: master control chip, peripheral circuit and scan matrix:

- 1) Master control chip adopting AT89C51, which controls keyboard matrix, realizes serial communication with computer through keyboard port, and sends key-codes to computer.
- 2) Peripheral circuit consists of reset circuit & oscillating circuit, in addition, there are three indicating lights: Num Lock, Caps Lock and Scroll Lock.
- 3) Scan matrix includes 86 keys, which using German “CHERRY” material.

3. Characteristics:

- 1) Beautiful and dignified;
- 2) Can be used as a substitute for 101 keyboard;
- 3) Using “CHERRY” material for keys, MTBF>2X10⁷ times.

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INFORMATION TO USER:

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. *Reorient / Relocate the receiving antenna.*

2. *Increase the separation between the equipment and receiver.*
3. *Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
4. *Consult the dealer or an experienced radio/TV technician for help.*

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment