

# 8112 KEYBOARD

## USER'S GUIDE

The 8112 keyboards are standard Universal Serial Bus (USB) hub keyboards, which are fully compatible with the USB specification 1.1 as well as the Human Interface Devices (HID) class specification 1.0.

USB is a new way to connect PCs. Its Plug and Play function makes the peripheral connection process automatic. When adding peripheral devices, you don't need to open your PC, and worry about installing expansion cards, setting DIP switches, or the other technical headaches.

In addition, 8112 USB keyboard supplies you with three USB hubs which can serve as connection ports for other USB peripherals, like printers, digital speakers, modems, graphics tablets, scanners, digital cameras, joysticks and multimedia game equipment. By using 8112 USB keyboard, your life gets much easier.

## TECHNICAL DATA

### Power Requirement

+5 VDC @500 mA

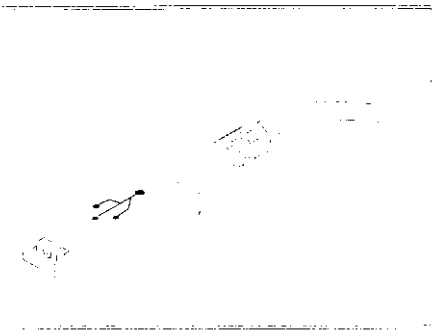
### Environment Data

Operating temperature : 0°C to 55°C  
Relative humidity : 20% to 95% non-condensing  
Altitude : 1000 ft. to 10000 ft.

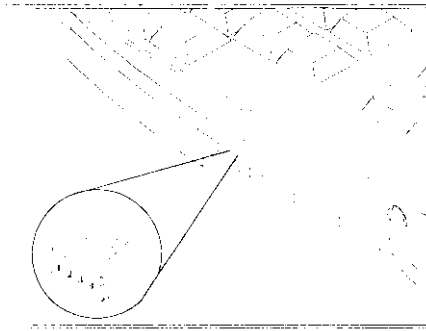
### Mechanical Data

Total Travel : 3.5 ± 0.5 mm  
Pretravel : 1.0 ± 0.5 mm  
Operating Life (normal key) : 20 million cycles min. per key  
Peak Load before Make (normal key) : 60 ± 20 grams

## USB Cable & Plug



## USB Hub



Contact Number	Signal Name	Comment
1	VCC	Cable power
2	- Data	
3	+ Data	
4	Ground	Cable ground

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## FCC GUIDELINES

This equipment has been tested and found to comply with the limits for 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:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### **Information to User:**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. Shielded interface cable, if any, must be used in order to comply with emission limits.

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