

Traveling Disk Series

U250

Product Datasheet



Version: A01

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1. Introduction to U250

Compatible with USB 2.0 / 1.1 specifications with low power consumption and data protection, the U250 gives you portability and security to offer you a peace of mind.


U250 is a High-speed USB 2.0 storage device in line with modern technological trend, applicable to USB 2.0 and backward compatible with USB 1.1. Hi-Speed USB Flash Disk has multiple powerful functions, namely retrieval, copying and deletion of files of any format, fast transmission and exchange of data and files, unlimited application of functions, and a highly secure privacy function. Since Hi-Speed USB Flash Disk is not a heavy burden on you at all, you can always bring it along, to use it readily wherever you go, have access to every computer located anywhere, and always have important data at hand to let you be ahead of your rivals.


U250 is a plug and play device, simply plug it into any USB port and it will automatically gets detected by the computer as a removable drive. Now you can read, write, copy, delete and move data from your hard disk drive to U250 or from U250 to your hard disk drive with the high speed of USB2.0. In short, Hi-Speed USB Flash Disk is an innovative storage device indispensable to daily life.


2. Main Features Overview

- Mobile USB flash drive, USB 1.1/2.0 compatible
- Capacity available in 256MB, 512MB and 1GB
- Hot swappable, USB Plug & Play compatible
- The Disk Safe software is bundled with this product for password protection
- LED status indicator for file access
- No external power is required – DC 4.5V ~ 5.5V from USB port
- Support OS:
 - Windows ME, Windows 2000, Windows XP, MAC OS 9.X, MAC OS 10.2.8 and later, Linux Kernel ver 2.4.0 and Linux Kernel ver 2.4.10 or above without device driver.
 - Support Windows 98 / 98SE with device driver

3. Hardware Specifications

-  **USB Interface**
 - High-speed USB 2.0 interface; backward compatible with USB 1.1

-  **LED indicator to show access status**
 - LED status indicator for file access

-  **OS Supports**
 - ◆ No driver is required for Win XP, Windows 2000, Win ME, Mac OS 9.0 & higher, Linux 2.4.0 & higher

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Environment		
Temperature	Operating	0°C to 45°C (32°F to 113°F)
	Non-Operating	-20°C to 60°C (-4°F to 140°F)
Vibration	Operating	5G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
	Non-Operating	5G, 10 to 500 Hz, 0.5 Oct/Min sweep rate
Shock resistant	Operating	10 G, 11 ms, half-sine
	Non-Operating	60 G, 11 ms, half-sine
Configuration		
Capacity		256Mbytes ~ 1GBytes
Weight:		
10gram ± 0.5gram		
Power Requirement		
Voltage		DC 4.5V~5.5V form USB port
Power Consumption		
Read		around 115 mA
Write		around 125 mA
Standby		<100mA
Suspend		<1mA

4. Software Specifications

The Disk Safe software is bundled with this product.

Application Programs Available

1. Creating the Secure Data Area
2. Security Feature

About Disk Safe

“Disk Safe” is a bundled application program that offers security functions for your U250 USB pen drive. By creating a secured area and setting passwords to it, your data and personal files are safe locked from unwanted access.

U250 comes with Disk Safe security application software. Once Disk Safe is installed, you can create a secured data area (Will appear in red) on your U250 USB pen drive. Disk Safe allows capacity allocation of the secured section before or after it has been created to better secure private personal documents.

Users can choose any password they desire and with the inclusion of a password reminder function, it ensures that you will never forget your password.

Note: You get 6 tries when entering passwords, if you exceed this password entry limit by entering the wrong password, the drive will execute auto format function and all data will be lost.

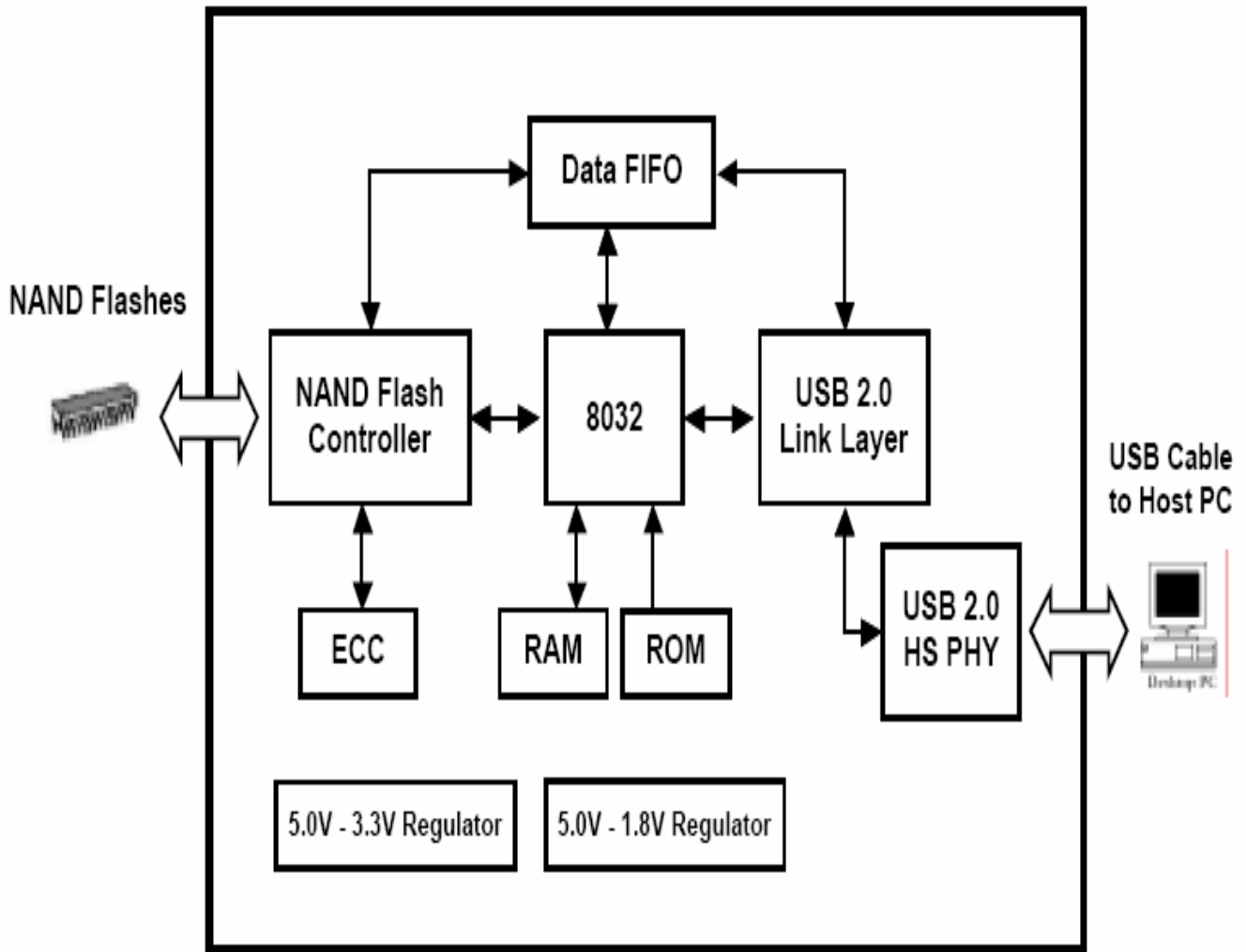
In order to keep you up to date with the latest utilities, both the application software and user’s manual are available for download from www.pqi.com.tw

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5. Block Diagram

6.



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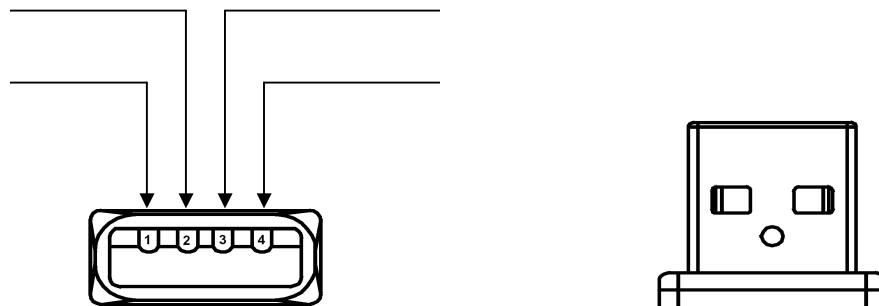
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Absolute Maximum Ratings

Symbol	Parameter	Min	Max	Unit
Storage	Storage Temperature	-40	85	°C
Ta	Ambient Operating Temperature	0	75	°C
Vcc3	3.3V Supply Voltage	-0.3	3.6	V
Vcc18	1.8V Supply Voltage	-0.3	2	V
Vin3.3	3.3V Buffer Input Voltage	-0.3	3.6	V
Vin3/5	3.3V/5V Buffer Input Voltage	-0.3	5	V
Vin1.8	1.8V Buffer Input Voltage	-0.3	2	V

7. Pin Assignments

Pin No.	Pin Name	Function
1	VCC	USB power input
2	USB D-	USB differential signal
3	USB D+	The pairs are used to transmit Data/Address/Command
4	VSS	Ground



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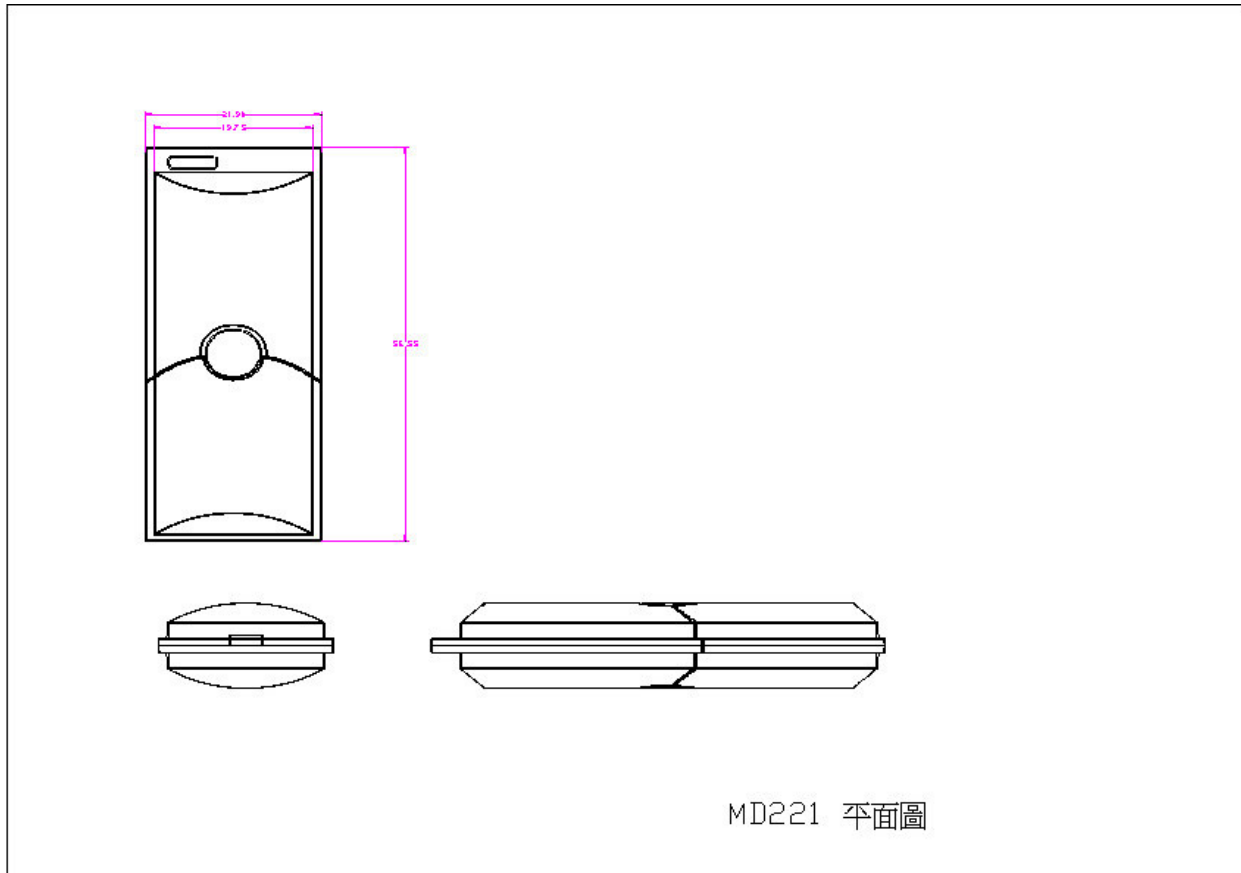
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8. Physical Specifications

Dimensions:

1. **Height:** 57mm \pm 1mm
2. **Width:** 22mm \pm 1mm
3. **Depth:** 13mm \pm 1mm
4. **Weight:** 10g \pm 0.5g

Outline of top view



9. Ordering Information:

 **Package available: Blister Packing**

 **Model No. & Part Number**

- **Part Number: BB44-XXXX-011K**

(The first 3 "X" means variable of capacity from 256MB~1GB)

(The last "X" means color of the casing)

Eg.: BB44-2561-011K means Black Grey in 256MB

- **One colors available: Black Grey**

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Package Image:



10. Product Information & Technical Support

- i. PQI website: www.pqi.com.tw
- ii. Service Center: http://www.pqi.com.tw/contact_engineer.asp

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