Traveling Disk U172P

6172-XXXXRXXXX

Revision History

Revision	Date	History	Remark
Ver1.0	08/18 '08	New Creation	

1. Introduction to U172P

The **new U172P series** with the light, refined and stylish features that gives you portability and security to offer you a peace of mind. The no loss cap design can simply snap onto the flash drive when using it and searching for lost caps will be a thing of the past. Mini metallic housing with high memory capacity. Compatible with USB 2.0 / 1.1 specifications with low power consumption and data protection.
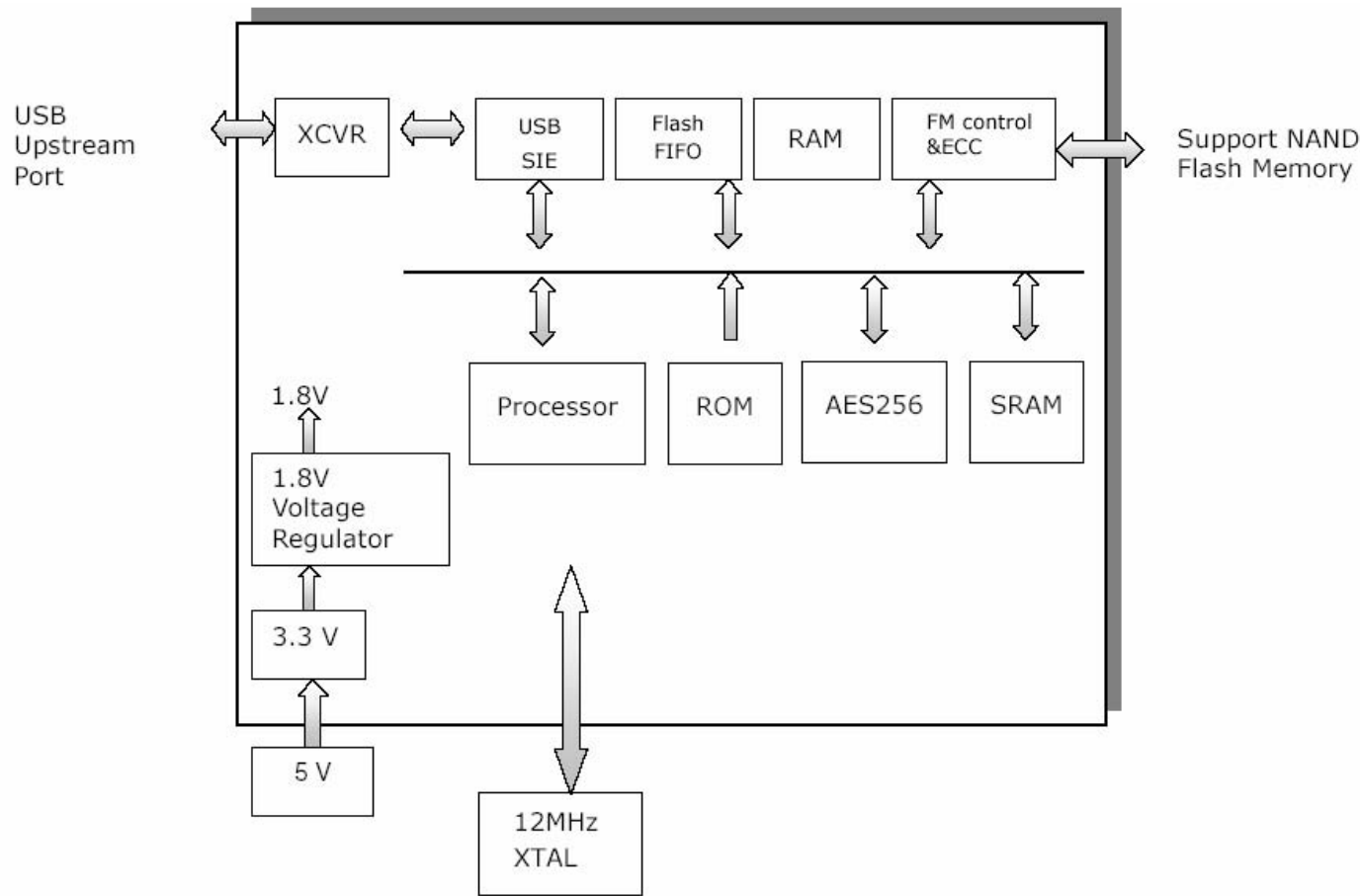
2. Main Features Overview

♦The no loss cap design, Simple and stylish
♦Metallic Housing with High Memory Capacity
♦Mobile USB flash drive, USB 2.0 compatible
♦Hot swappable, USB Plug & Play compatible
♦Light and easy to carry
♦Can use strap
♦Lid will fill perfectly onto the end of the drive

3. Product Specification

USB Interface	High-speed USB 2.0 interface; backward compatible with USB 1.1	
NAND Flash Interface	Integrated ECC circuits for 4-bit error correction	
OS Support	No drive is required for Windows ME, 2000, XP, Vista or Mac OS 9.x	
Environment		
Temperature	Operating	0℃~40℃
	Non-Operating	-20℃~60℃
Vibration	Operating	0.2G
	Non-Operating	15G
Shock resistant	Operating	150G
	Non-Operating	1000G
Configuration		
Capacity		128Mbytes~8GBytes
Reliability		
MTBF(@25℃)		1,000,000 hours
Power Requirement		
Voltage		5V
Power Consumption		
Read		<100mA
Write		<120mA
Standby		<100mA
Un-configuration		<100mA
Suspend		<1.5mA

4. Block Diagram

5. Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
V_{DDH}	Power Supply	-0.3 to $V_{DDH +0.3}$	V
V_{IN}	Input Signal Voltage	-0.3 to 3.6	V
V_{OUT}	Output Signal Voltage	-0.3 to $V_{DDH +0.3}$	V
T_{STG}	Storage Temperature	-40 to 150	$^\circ C$

6. DC Characteristics

Symbol	Parameter	Conditions	Min.	Typical	Max.	Units
I_{IN}	Input current	No pull-up or pull-down	-10	±1	10	uA
I_{OZ}	Tri-state leakage current		-10	±1	10	uA
C_{IN}	Input capacitance	Pad Limit		2.8		pF
C_{OUT}	Output capacitance	Pad Limit		2.8		pF
C_{BID}	Bi-directional buffer capacitance	Pad Limit		2.8		pF

7. Recommended Operating Conditions

Symbol	Parameter	Min.	Typical	Max.	Units
A_{DD}	5V Power Supply	4.75	5.0	5.0	V
V_{DDH}	Power Supply	3.0	3.3	3.6	V
V_{DD}	Digital Supply	1.62	1.8	1.98	V
V_{IN}	Input Signal Voltage	0	3.3	3.6	V
T_{OPR}	Operating Temperature	0		70	℃

8. 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
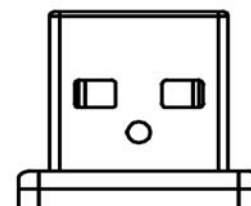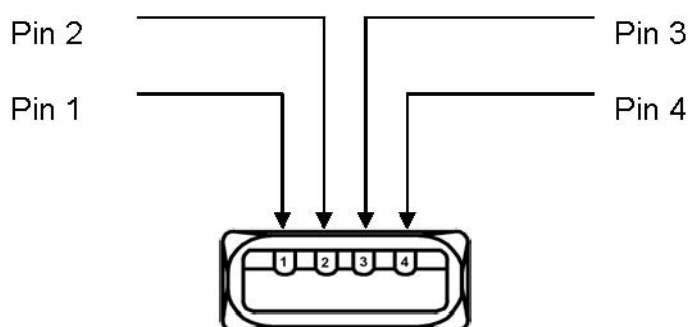
9. Physical Specifications
9.1 Dimensions:
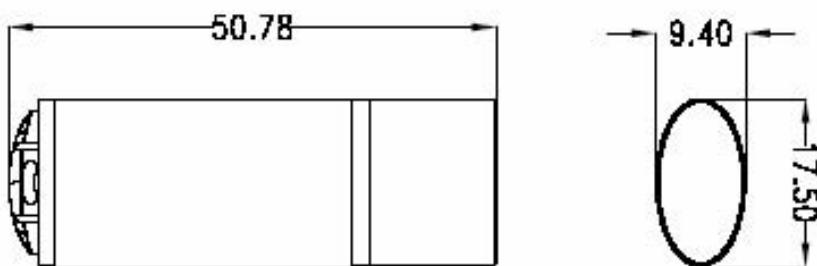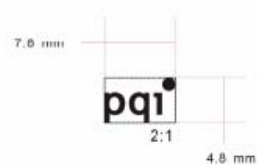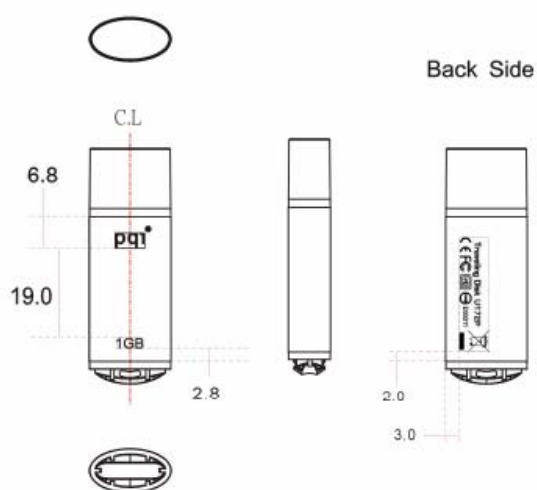9.1.1 Height: 50.78.mm
9.1.2 Width: 17.50 mm
9.1.3 Depth: 9.40 mm
9.1.4 Weight: 10g ± 0.2 g

9.2 Outline of top view

U172P Artwork Back

Back Side

C.L

6.8

19.0

1GB

2.8

2.0

3.0

7.8 mm

2:1

4.8 mm

5.7 mm

1GB

2.3 mm

產品名字型規格
字型:Square721 DM
樣式:Normal

Traveling Disk U172P

D33311

24.5 mm

6.3 mm