

3rd Gen. Micro Reader (PUNY) (Micro SD to USB Reader)

Data Sheet

Rev. 2.1



Specification for Approval

ITEM	Ripple
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Customer		Supplier	Alfa Media
Parts Number	PUNY (Color)	Parts Number	PN:MR3

Approved By	Date	Approved By	Date
Please return one copy with your signature by confirmation		Alfa Media Industrial Co., Engineer dep.	

Version	Date	Description
01	30-Mar-09	First edition

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General Description

The Micro-SD Card Reader is the best choice for USB 2.0 & 1.1 to Micro-SD (uSD) interface. It is specially designed to transfer data between portable storage devices (such as mobile phone or digital camera) and host PC.

The Micro-SD Card Reader is so compact that you can carry it and hardly notice its existent. The Micro-SD Reader does not require any battery, it uses the power from USB port. The Micro-SD Card Reader does not require any driver in Windows operating systems (except for Windows 98), Mac OS (OS 9 or above) and Linux system (Kernel 2.4.10 or above), So it is the best solution for data exchange between portable devices and host PC.

Features

- Support Micro SD / SD 1.1 , SD2.0 / SDHC
- Driverless in Windows ME/XP/Vista
- Driverless in Mac OS9.X and later (USB 1.1 Speed)
- Driverless in Mac OS10.2.8 and later (USB 2.0 Speed)
- Comply with USB 2.0
- Driverless in Linus Kernel 2.4.0 and later (USB 1.1 Speed)
- Driverless in Linus Kernel 2.4.10 and later (USB 2.0 Speed)
- Hole for key chain or necklace
- Multi color supported
- Idea for PC , Laptop , Mobile phones

Support Micro-SD Card / TransFlash

Support USB Interface:

Fully compatible with USB Specification Version 2.0 & 1.1

High speed 480Mbit/second supporting

Full speed 12 Mbit/second supporting

Support SD system specification : version 1.01, 1.1 and 2.0 (SDHC)

Internal RAM:

Internal RAM: 256 Bytes.

External RAM: 6KB (On Chip)

Support SRAM Buffer (Dual Buffer Mode):

A Buffer

B Buffer

Transfer Rate for USB Interface:

“High speed”Up to 480Mbit/sec for USB 2.0

“Full speed”Up to 12Mbit/sec for USB 1.1

Support Windows ME/ 2000 / XP / Vista without device driver

Support Mac OS 9.X and above without device driver

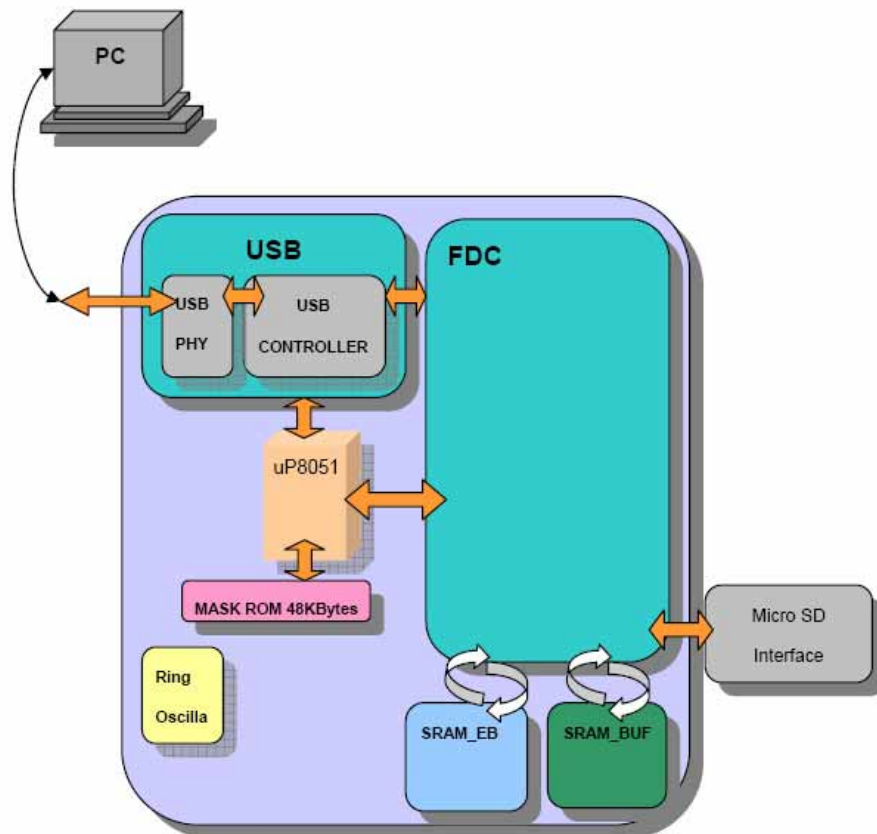
Support Linux Kernel 2.4.0 and above without device driver

Operating Voltage: 2.7~3.6V

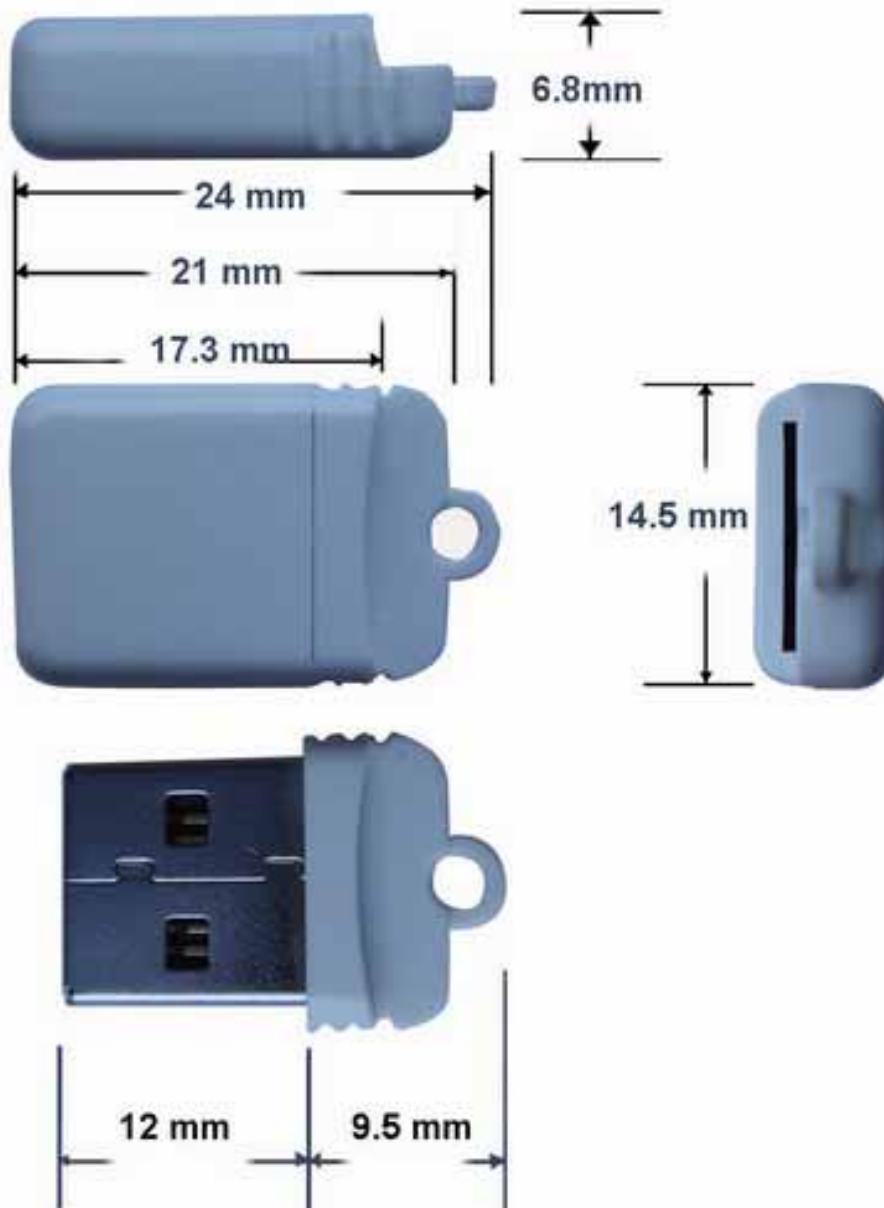
USB bus-powered capability

Working Frequency: 12 MHz

Block Diagram



Dimension



Reliability

(See attachment – Environmental Test and Temperature, Humidity Test Report)

Operating Temperature

35 to 100 (0 to 40)

Operating Humidity

20% RH to 80% RH

Storage Temperature

- 4 to 140 (- 20 to 60)

Storage Humidity

10% RH to 90% RH

Vibration

After testing, no physical and functional degradation was noticed

Mechanical shock

After testing, no physical and functional degradation was noticed.

Free fall drop

After testing, no physical and functional degradation was noticed.

Specifications

Introduction

The Micro-SD Card Reader, a small device specifically designed for easy Transfer of digital data between numerous digital devices (such as mobile phone, digital camera) and host PC, The Micro-SD Card Reader supports a high speed USB 2.0 connection for fast data transfer speed, It does not require any driver in Windows operating systems that specified in the system Requirement section, so it is the best solution for data transfer and exchange.

Details

Dimension : 24 X 14.5 X 6.8 (mm) with cap

Transfer rate :30MB (depends on Micro SD type)

Weight : 0.95 gm (with cap.)

Supply Voltage 5V

OS support : Windows 2000/ Me / XP , Vista

Mac OS support : 9. X, OS 10.2.8 or later

Linux OS support : Kernel ver 2.4.0, ver 2.4.10 or later

System Requirement

Desktop or Notebook computer with a USB port. One of the following Operating Systems (OS):

Windows ME / XP / 2000 / Vista

MAC OS 9. X, OS 10.2.8 or later

Linux Kernel ver 2.4.0, ver 2.4.10 or later

Connecting operation

Plug the Micro-SD Card Reader directly into an available USB port on the desktop or notebook computer.

Warning

Do not allow the Micro-SD Card Reader to become damp or wet from water or any other liquids.

Do not use a damp or wet cloth to wipe or clean the exterior case.

Do not use or store the Micro-SD card reader under direct sunlight, electric heater or other heat