



Memory Stick Information for Developers

Memory Stick ▶▶ Introduction

1. Introduction

1.1. Overview

Silicon Media, which is an innovative new kind of media for storing and transferring data, is expected to create further possibilities in the digital age. Among these new types of media, Memory Stick is adaptable to multiple contents, capable of ensuring compatibility among appliances with remaining a high-speed data exchange rate.

This document defines the physical specifications, electrical specifications, serial interface protocol and logical/physical format specifications for Memory Stick. In addition, this defines the data should be followed and the operational procedures of command for appliances using Memory Stick.

Information of ensuring compatibility between applications describes in the respective application format books, which provide separately.

1.2. Scope

This document specifies the requirements for Memory Stick for general purpose.

1.3. Architecture

Appliances using Memory Stick consist of multiple layers in their hardware and software.

Fig. 1.1 shows the Layers of Appliances and Memory Stick.

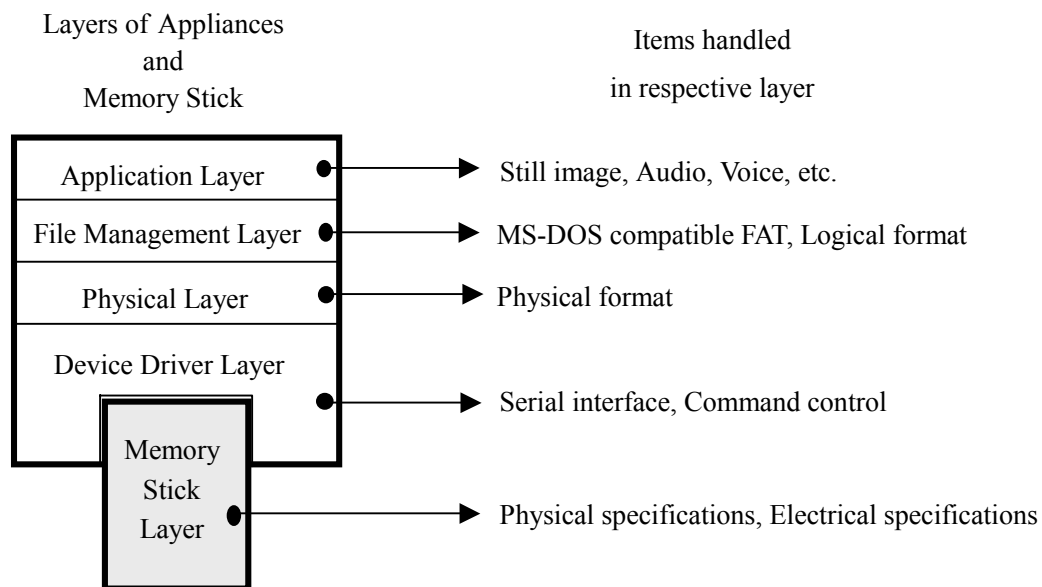


Fig. 1.1 Layers of Appliances and Memory Stick.

1.4. References

The following documents were referred to constitute provisions of this standard:

PC Card Standard (Volume 3) March 1997, Physical Specification

PC Card Standard (Volume 7) March 1997, Media Storage Formats Specification

1.5. Definitions

TPC	Transfer Protocol Command
BS	Bus State
CRC	Cyclic Redundancy Check
CIS	Card Information Structure
IDI	Identify Drive Information
MBR	Master Boot Record
FAT	File Allocation Table
PBR	Partition Boot Record
DCIM	Digital Camera Image

In this document, “shall”, “will” or “must” denotes a mandatory provision of this specification. “Should” denotes that a provision is recommended but not mandatory. “May” denotes a feature which is at the option of the implementer.

“Appliance” denotes an appliance using the Memory Stick.

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Memory Stick Standard Excerpt from Format Specifications ver.1.3
