EPSON

E0C33 Family CF33 Middleware

Compact FLASH middleware

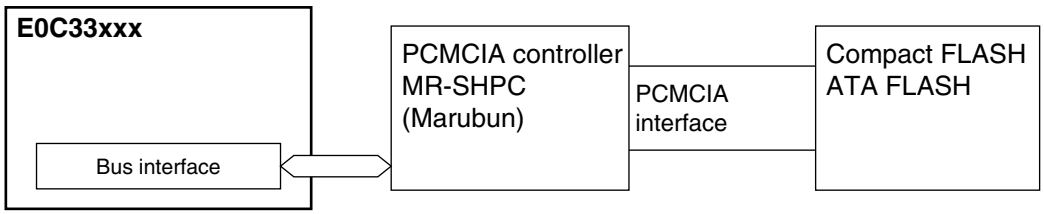
Preliminary

- Compact FLASH middleware for the E0C33 Family
- PC Card Standard Ver.2.0-compliant socket service and card service
- Supports FAT file system (compatible with MS-DOS Ver.6.x)

■ FEATURES

- This is a middleware for the E0C33 Family, available in linkable library form.
- May be interfaced to memory cards via a PCMCIA Ver.2.0-compliant socket service or card service.
- ATA FLASH card device driver allow use of compact FLASH or ATA FLASH cards.
- FAT file system driver enables MS-DOS Ver.6.x compatible file exchange. FAT format drivers for compact FLASH and ATA FLASH are also available.
- Ideally suited for use in digital cameras, PDAs, and electronic pocketbooks.

■ HARDWARE CONFIGURATION



■ REQUIRED RESOURCES

Memory space allocated for PC card controller: 4M bytes
Interrupt: The E0C33 external interrupt (port K63) is used for interrupt.

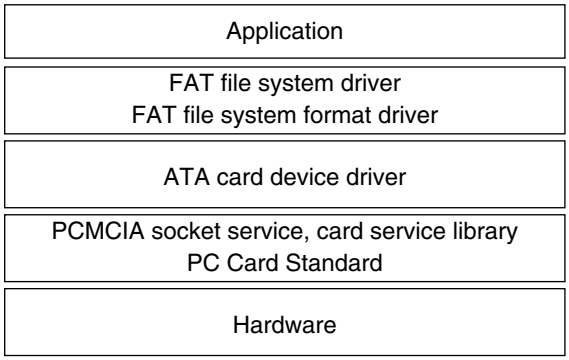
■ SUPPORTED MEMORY CARDS

Compact FLASH card and PCMCIA ATA card

■ SOFTWARE CONFIGURATION

● PCMCIA Socket Service or Card Service Library

These are PC Card Standard Ver.2.0-compliant socket service and card service libraries.



To allow modification of the socket service to suit the customer hardware environment, the source is left partly open to users.

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● **ATA Card Device Driver**
Use of the compact FLASH and ATA FLASH cards require an ATA card device driver.

● **FAT File System Device Driver (supports FAT12 and FAT16)**
Permits MS-DOS Ver.6.x compatible file exchange (8 character file names, with three extension characters).
Support for Japanese file names.
API is standard ANSI-like (e.g., fopen() and fred()).

● **FAT File System Format Driver**
This driver initializes the FAT file system to make it usable in compact FLASH or ATA FLASH.

* This middleware is only available with the IC (E0C33 Family).
This specification may change without notice.