

DIMM-SH7723

Embedded module

with Renesas SuperH SH7723 Processor



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|-----------------------------|---|
| CPU | SH7723, SH-4A |
| Coprocessor | FPU |
| Clock | 400 MHz |
| Cache | 32-kbyte IC + 32-kbyte OC 4-way associative, 256-kbyte L2 Cache |
| Memory | 128 MB DDR RAM / 256 MB NAND Flash / 8 MB NOR Flash |
| Memory Bus Interface | |
| Addresses | 24 |
| Data bus width | 16 |
| Interrupts | 3 |
| Bus clock | 66 MHz |
| Peripherals | |
| LCD Interface | TFT up to SVGA, up to 24bpp |
| Touch | 4-wire resistive touch |
| Ethernet | 100Base Tx |
| USB Host | 2.0 high speed |
| USB Device | 2.0 full speed |
| Serial Ports | 1*RS232, 4*TTL |
| IrDA | Interface for external transceiver |
| analog Audio | SSI for external codec |
| digital Audio | SPDIF IN/OUT |
| Video IN / Video OUT | 8 bit interface for external NTSC / PAL codecs |
| CMOS Camera Interface | √ |
| SPI | √ |
| I2C | √ |
| Digital GPIO | 10 |
| Analog I/O | 4 x in; 10 bit, 3.3V |
| RTC | √ |
| Debugging Interface | H-UDI + AUD |
| Mass storage | |
| MMC / SDC | 2*SDC |
| Others | |
| Software | Linux 2.6, Microsoft Windows CE 6.0 |
| Dimensions | 67,6 x 45 x 9 mm ³ |
| Temperature Range | 0 ... +70 °C, optional -40°C ...+85°C |
| Power Supply | 3,3 V @ 400 mA |
| SODIMM Connector | 200 pos, 2.5 V keying |



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