

## DIMM-MX257

# Embedded module

with Freescale ARM9 i.MX257 Processor



CPU	i.MX257, ARM9
Clock	400 MHz
Cache	16-kbyte IC + 16-kbyte OC 4-way associative, 128-kbyte L2 Cache
Memory	64 MB DDR SDRAM / 256 MB NAND Flash
<b>Memory Bus Interface</b>	
Addresses	24
Data bus width	16
Interrupts	3
Bus clock	66 MHz
<b>Peripherals</b>	
LCD Interface	TFT up to SVGA, up to 18bpp
Touch	5-wire / 4-wire resistive touch
Ethernet	100Base TX
USB Host	2.0 full speed
USB Device	2.0 high speed
CAN	2
Serial Ports	1*RS232, 3*LVTTTL
IrDA	-
analog Audio	SSI for external codec
Video IN / Video OUT	-
CMOS Camera Interface	-
SPI	√
I2C	√
Digital GPIO	min. 6
Analog I/O	3 / 4 in; 12 bit, 3.3V
RTC	√
Debugging Interface	JTAG
<b>Mass storage</b>	
MMC/SDC	2*SDC (SDIO)
<b>Others</b>	
Software	Linux, Windows CE 6.0 R3
Dimensions	67,6 x 45 x 9 mm <sup>3</sup>
Temperature Range	0 ... +70 °C, optional -40°C ... +85°C
Power Supply	3,3 V @ 350 mA
SODIMM Connector	200 pos, 2.5 V keying



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