

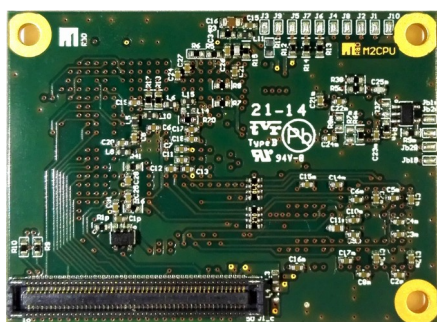
M2CPU – OEM Module



M-CPU01 è un modulo basato su chipset ARM9 destinato allo sviluppo rapido di sistemi embedded.

Di dimensioni e profilo particolarmente contenuti, unisce bassi consumi operativi ad una dotazione completa di RAM e Flash HDD pienamente compatibile con linux.

Il bus di comunicazione è configurabile ed include USB host/device controller, ethernet 10/100 MAC, CAN/LIN e MMC controller.



M2CPU01 is an ultra compact ARM9-based module for rapid development of small and portable embedded systems.

Featuring very low power consumption rates this module, which comes complete with RAM and Flash HDD, includes configurable communication bus, USB device/host controller, ethernet 10/100 MAC, CAN/LIN, MMC controller and full Linux compatibility.

Caratteristiche Tecniche – Technical Features

Component	Description
CPU	High-performance ARM926-based embedded microprocessor unit at 400MHz
Memory	256 MB DDR2 RAM + 512 MB embedded FLASH
Main Supported Devices	2xUSB2 Host and 1xHost/Device configurable
	Ethernet 10/100 [+1 std optional] - 2xCAN + 4xLIN – 7 UART
	3xTWI + 2xSPI - 2xMMC/SD controller - 12 ADC 10bit 440ksps
	4xPWM - Graphic LCD (Optional)
Dimensions	Length: 40 mm - Width: 29mm – Height 4.7 mm - Stack High: 1,5mm
Connector	100 pin
Power	Average operating consumption 230mW
	Integrated Power management controller with 6 programmable saving capabilities
	Voltage Supply 3,3V - 1V
Production	Made in Italy