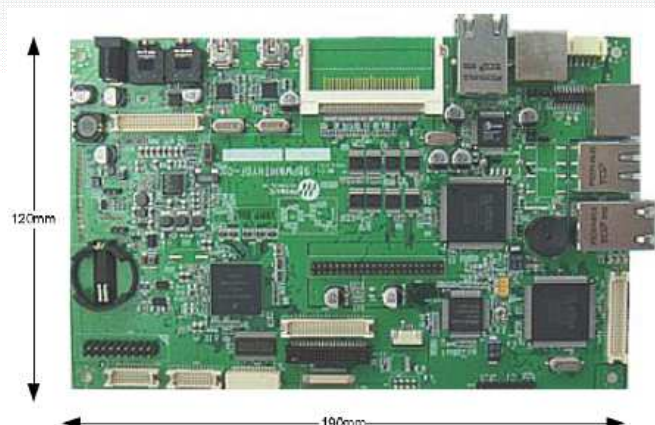


PROMATE Whitney

Multipurpose Industrial Embedded Platform

Key Features

- Low-Cost/Low Power/Fan-less
- Win CE 6.0/Linux BSP Support
- Touch Panel Total Solution
- Supports QVGA to SVGA
- LED Backlight Driver
- Power over Ethernet
- Wide Input Voltage Range



Targeted Applications

Home Automation, Vending Machines, Portable Instruments, Marine HMI, Medical Instruments, Bedside Monitor

Specifications

General	CPU	Freescale i.Mx27(ARM926EJ-S 32bit 400Mhz Core)		
		16 KB L1 I-Cache and D-Cache		
	Volatile Memory	128MB DDR266 SDRAM		
	Non-Volatile Memory	32MB NOR Flash	256MB NAND Flash Optional	
	Storage	1 x MS/SD, 1 x CF Slots	1 x IDE ATA	
Display	LCD Interface	18it TTL / 1Ch LVDS alternate, Digital RGB for 7inch C070VW02		
	Supported Resolution	Up to SVGA (800 x 600)		
	Backlight	Onboard PWM LED Driver		
Video	Video Interface	NTSC / PAL CCIR656 Interface (Alternate with Camera Interface)		
	Encoder/Decoder	MPEG4 / H.264 Hardware CODEC Accelerator		
	Camera Interface	640 x 480 CMOS Camera Interface (Alternate with Video Interface)		
I/O	Ethernet	1 x 10/100 Base-T Fast Ethernet	1 x Wi-Fi Optional	
	USB 2.0	1 x USB 2.0 (Host)	1 x USB 2.0 (OTG)	
	Serial	1 x RS232/ 3 x UART (Alternate)		1 x RS422/485
		1 x IrDA		1 x I2C (In camera/video interface)
	Audio	1 x Stereo MIC/Line In	2 x 2 Watt Stereo Class D Speaker Out	
	Human Machine Interface	1 x Up to 6 x 6 Keypad	1 x 4Pin FFC Connector + 2 x 4 Pin Header	
	JTAG	1 x Connector (Debug Interface)		
Power	Source	5VDC +/-10%		
	Battery Power Source	3.2V ~ 4.2VDC 1 cell Li-on Battery		
	PoE	Power over Ethernet Board		
	Alternate Input	8VDC ~ 32VDC (Supported by Power Daughter Board)		
OS	WinCE	Win CE 6.0		
	Linux	Linux BSP Customization Support		

The specification is subjected to change. 2009.6 © Promate Electronic Ltd. All Rights Reserved