

1. Specifications

Features	
CPU	DM&P SoC CPU Vortex86DX- 800MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache L2:128KB Cache
BIOS	AMI BIOS
Bus Interface	PC/104 Standard Compliant PCI-104 (Optional)
System Memory	256/ 512MB DDR2 Onboard
Watchdog Timer	Software programmable from 30.5 us to 512 seconds x2 sets(Watchdog 1 fully compatible with M6117D)
VGA	XGI Volari Z9s Chipset VGA and TFT Flat Panel Interface Support LVDS Flat Panel Interface Support Onboard 32MB VGA Memory Support resolution up to 1280 x 1024,16MB colors
LAN	Integrated 10/100M Ethernet Realtek 8100B 10/100Mbps Ethernet Controller Half/Full duplex capability
Audio	CM119 USB Audio Controller
I/O Interface	<ul style="list-style-type: none"> ● Enhanced IDE port (UltraDMA-100/66/33) x1 ● RS-232 port x3 ● RS-232/422/485 port x1 (RS-485:Auto Direction) ● Parallel port x1 ● USB port x3 (USB 2.0 version) ● 16-bit GPIO port x1 ● 10/100Mbps Ethernet port x3

Connectors	<ul style="list-style-type: none"> ● 2.00 mm Ø 44-pin box header for IDE x1 ● 2.00 mm Ø 44-pin box header for LCD x 1 ● 2.00 mm Ø 26-pin box header for Printer x1 ● 2.00 mm Ø 20-pin box header for 16-bit GPIO x1 ● 2.00 mm Ø 16-pin header for LVDS x 1 ● 2.00 mm Ø 10-pin box header for RS-232 x3 ● 2.00 mm Ø 10-pin box header for USB x1 ● 2.00 mm Ø 8-pin header for Ethernet x 2 ● 2.54 mm Ø 4-pin header for DC-in x1 ● 2.54 mm Ø 3-pin header for RS-485 x1 ● 2.54 mm Ø 2-pin header for Reset x1 ● 1.25 mm Ø 6-pin wafer for JTAG x1 ● 0.8mm Ø 124-pin MiNi PCI connector x1 ● External 15-pin D-Sub female connector for VGA x1 ● External 9-pin D-Sub male connector for RS-232 x1 ● External RJ-45 connector for Ethernet x1 ● External USB connector for x1 ● External Mini DIN socket for Keyboard/Mouse x1 ● Type I/II Compact Flash slot x1
Flash Disk Support	<ul style="list-style-type: none"> ● Onboard 4MB SPI Flash Disk (Driver: A) ● 44-pin IDE Flash Disk(EmbedDisk 16MB or above) ● Type I/II CF Card ● 44-pin IDE to Micro SD (Optional)
PWM	16~24 Channels
SRAM support	512KB (Optional)
Power Requirement	Single Voltage +5V @ 880mA
Dimension	102 X 144mm (4.01 x 5.67 inches)
Weight	150g
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)