



Features

- DM&P Vortex86DX2 SoC, Low Power Consumption, 4.5W @ 800MHz
- Onboard DDR2 Memory Up to 1GB (32bit)
- Dual view : VGA + LVDS, VGA + TTL
- Single-channel 24-bit LVDS (Optional 18-bit)
- 1 SATA II, 4 COM, 2 USB 2.0, 8-bit GPIO, Dual LAN
- PC/104 Expansion (8/16-Bit ISA)
- Supports Extended Temperature to -40 ~ 75°C
- HD Audio
- Fanless Operation



Specifications

System

CPU	DM&P Vortex86DX2
BIOS	2MB SPI Flash BIOS
System Chipset	Vortex86DX2 Integrated Chips
System Memory	Onboard DDR2 Memory 1GB (32bit)
SSD	1 x CompactFlash Type I/II Socket
Watchdog Timer	Reset: 1sec. ~ 512sec.
H/W Status Monitor	Monitoring System Temperature, Voltage with Auto Throttling Control
Battery	Cable Type Battery CR-2032
Buzzer	Buzzer Onboard
Expansion	PC/104 Expansion (8/16-bit ISA) 1 x Mini PCIe Card

I/O

MIO	2 x RS-232, 2 x RS-232/422/485, 1 x SATA II, 1 x PS2 K/B & Mouse
USB	2 x USB 2.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	Vortex86DX2 Integrated Graphics
Resolution	VGA Mode: 1280 x 1024 @ 60Hz LVDS Mode: 1024 x 768 @ 60Hz
Multiple Display	VGA + LVDS, VGA + TTL
LVDS	Single-channel 24-bit LVDS (Optional 18-bit)

Built-in Touch Screen (Optional)

Chipset	PenMount 6000
Touch Screen Interface	With 9-pin 2.0mm Box Header (Can be Selected to Support 4/5/8 Wire Touch Screen)

Audio

Chipset	Realtek ALC892 Support 5.1-CH Audio
Audio Interface	Mic-in, Line-in, Line-out

Ethernet

Ethernet 1	10/100 Mbps on DM&P Vortex86DX
Ethernet 2	10/100/1000 Mbps on Realtek RTL8111E
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	+12V ~ 26V
Power Type	AT/ATX
Operating Temperature	0 ~ 60°C (32 ~ 140°F) -40 ~ 75°C (for Wide Temperature Model)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F) -40 ~ 75°C (for Wide Temperature Model)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Size (L x W)	5.7" x 4" (146mm x 101mm)
Weight	0.44lbs (0.2kg)

Ordering Information

ECM-DX2
DM&P Vortex86DX2 3.5" Micro Module
ACC-CF-xx
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)