



Unit: mm

Specifications

SoC	DM&P SoC CPU Vortex86DX2- 600MHz Real Time Clock with Lithium Battery Backup
Cache	L1:16K I-Cache, 16K D-Cache L2:256KB Cache
Bus	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	256MB DDR2 Onboard
Watchdog Timer 0 & 1 Sets	Software programmable from 30.5μ sec. to 512 sec. x 2 sets (Watchdog 1 fully compatible with M6117D)
VGA	Integrated 2D VGA chip with dual display support (VGA + TTL / VGA + LVDS) VGA: Maximum resolution up to 1280x1024 @ 60Hz LVDS: Maximum resolution up to 1024x768 @ 60Hz Single channel 18-bit LVDS
LAN	Integrated 10/100Mbps Ethernet
Flash Disk Support	Onboard 4MB SPI Flash Disk(Drive:A) SD card
Touch controller	PS/2 interface (Optional)
I/O Interface	RS-232 port x3 RS-232/485 port x1 USB port (Ver2.0) x4 USB Hotswap x1 (Optional) 16-bit GPIO port x1 10/100Mbps Ethernet port x1 I ² C port x1
Connectors	2.0mm 44-pin box header for LCD x1 2.0mm 20-pin box header for 16-bit GPIO x1 2.0mm 16-pin header for LVDS x1 2.0mm 10-pin box header for VGA x1 2.0mm 10-pin box header for USB x2 2.0mm 10-pin box header for RS-232 x4 2.0mm 8-pin header for Ethernet x1 2.54mm 2-pin header for Reset x1 2.54mm 5-pin box header for Keyboard x1 2.54mm 5-pin header for Mouse x1 2.54mm 4-pin header for -5V, -12V, +12V, GND x1 1.25 mm 6-pin Wafer for I ² C x1 1.25 mm 4-pin Wafer for Touch screen x1 (Optional)

Power Requirement	Single Voltage +5V @ 790mA
Weight	110g
Board Size	90 x 96mm (3.54 x 3.77 inches)
Operating Temperature	-20°C ~ +70°C -40°C ~ +85°C (Optional)

Packing List

- NAD11-103-SD x1
- Cable
NET 4x2 (2.0) x1
RS232 (2.0) x4
USB(2.0) x2
VGA(2.0) x1
GPIO(2.0) x1
PS2KB(TEST) x2
- Screw Kit x1

Ordering Information

- **NAD11-103-SD** Vortex86DX2 PC/104 CPU Module with 256MB DDR2



Authorized Distributor

wdsystems.com

sales@wdsystems.com

800-548-2319

919-545-2500

220 Chatham Business Drive
Pittsboro, NC 27312