Mini, Green, Powerful and Energy Efficient

www.compactpc.com.tw

(DM&P Group)

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About Us

Established in Taiwan since 1989, DM&P Group – DMP Electronics Inc. has focused on kernel technology of x86 embedded in software & hardware development and manufacture.

Except standard x86 embedded Single-Board-Computer products, DMP expands services covering the design and manufacture of OEM/ ODM for many years, such as Power Application, ATM, Medical Equipment, Home Entertainment/ Automation, Home Metering Control Module, Subway Ticket Gate System, etc.

To satisfy the increasing needs for Mini PC market, DMP has also introduced a series of EBOX products (www.compactpc.com.tw), which include EBOX-2300SXA (300MHz), EBOX-33xxA (600MHz), EBOX-33xxMX (933MHz) and EBOX-43xx (500MHz). As to the storage devices, customers can choose either from Compact Flash Card, SD Card, 2.5" IDE and SATA HDD or DMP self-design industrial grade IDE and SATA flash module "Embeddisk" (www.embeddisk.com). Meanwhile, DMP provides clients with the complete technical support relating Linux and Windows Embedded OS.

In response to client's multiple demands, DMP has released serial application products, such as Touch Panel PC, Notebook (Edubook), Keyboard PC and Auto Vehicle Locater (AVL). All of them are based on our x86 SoC embedded technologies.

Product Explanation

The EBOX series is an ultra-compact native x86 platforms optimized for today's demanding embedded and productive applications. By measuring 115mm x 115mm and 95mm x 95mm, it is ideal for applications with limit space requirement. Designed with an embedded processor, operating in fanless mode with ultra low-power consumption, the EBOX series is the perfect platform for wide range of commercial and industrial solutions.

The EBOX series integrates high performance chipset featuring hardware with MPEG2/ MPEG4 accelerator to smooth multimedia playback.
It has 256MB/512MB/1GB DDR2 soldered-on memory, high data transfer speed EIDE and one X-PCI slot for explanation. Its high bandwidth connection is supported by USB 2.0 host connections and the 10/100M Ethernet network interface with PXE boot from LAN option.

EBOX series is fully compatible with Microsoft Windows and Linux Operating System.
In addition, EBOX series also supports Windows CE and Windows Embedded standard OS.

EBOX series can be applied to broad range of embedded applications, such as Mini-PC, Thin-Client, KIOSK, Digital Signage, point-of-Sales, Information-Appliance, Network Devices, and various Industrial-Thin-Client and Industrial-Thin-Server application.

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EBOX-2300SXA Series

EBOX-2300SXA

- Fanless design
- VESA mounting support
- MSTI PSX-300
- Onboard 128MB DDR2
- PXE Diskless Boot
- Compact Flash slot
- 3 x USB V2.0 ports (2 at the front)
- 10/100 Mbps LAN
- 2 x RS-232 ports (optional)
- Mini PCI socket (optional)
- Wireless LAN (optional)
- 2.5" Hard Disk support (optional)
- Ultra low power

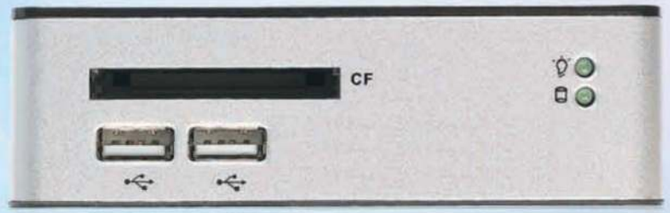
Specifications

		EBOX-2300SXA	EBOX-2300SXA-H	EBOX-2300SXA-M	EBOX-2300SXA-C	EBOX-2300SXA-L2
Model Type						
Processor		MSTI PSX-300 (300 MHz)				
BIOS		AMI BIOS				
Memory		Onboard 128MB DDR2				
VGA		XGI Z9s with 32MB DDR2/D-Sub 15-pin				
Ethernet		10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function				LAN x 2
USB		3 ports (2 at the front, 1 at the rear)				
MIO	Type I/II CF Slot	1x				
	PS/2 for Keyboard/Mouse	1x				N/A
	RS-232	N/A			2x	
	Mini PCI Slot	N/A		1x		N/A
	IDE (Note)	N/A	1x	N/A		
Power		+5V @ 2A (10W)				
Dimensions		115 x 115 x 35 mm				
Weight		505g				
Operation Temp.		5 ~ 50°C				
Certification		CE, FCC				

Note: 2.5" Internal IDE HDD supported.

Ordering Information:

EBOX-2300SXA: Standard Version
EBOX-2300SXA-M: Standard Version with Mini PCI support
EBOX-2300SXA-H: Standard Version with 2.5" IDE support.
EBOX-2300SXA-C: Standard Version with Mini PCI support and 2 x RS-232 ports.
EBOX-2300SXA-L2: Standard Version with 2 x LAN and 2 x RS-232, no PS/2.
EBOX-2300SXA-LS: Standard Version with 128MB CF card + DMP Embedded Linux OS.



EBOX-33xxA Series

Specifications

Model Type	EBOX-3300A / EBOX-3310A	EBOX-3300A-H / EBOX-3310A-H	EBOX-3300A-M / EBOX-3310A-M	EBOX-3300A-JSK / EBOX-3310A-JSK	EBOX-3300A-L2 / EBOX-3310A-L2
Processor	MSTI PDX-600 (600 MHz)				
BIOS	AMI BIOS				
Memory	Onboard 256MB DDR2/Onboard 512MB DDR2 (Note 1.)				
VGA	XGI Z9s with 32MB DDR2/D-Sub 15-pin				
Ethernet	10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function				LAN x 2
USB	3 ports (2 at the front, 1 at the rear)				
Audio	Mic in and Line out				
MIO – Micro SD	1x				
MIO – Type I/II CF Slot	1x				
MIO – PS/2 for Keyboard/Mouse	1x				N/A
MIO – RS-232	N/A			2x	
MIO – Mini PCI Slot	N/A		1x		N/A
MIO – IDE (Note 2.)	N/A	1x	N/A		
Power	+5V @ 2A (10W)				
Dimensions	115 x 115 x 35 mm				
Weight	505g				
Operation Temp.	5 ~ 50°C				
Certification	CE, FCC, VCCI				

Note :
1. 512MB DDR2 version called 3310A series.
2. 2.5" Internal IDE HDD supported.

Ordering Information:

EBOX-3300A/3310A: Standard Version
EBOX-3300A-M/3310A-M: Standard Version with Mini PCI support
EBOX-3300A-H/3310A-H: Standard Version with 2.5" IDE support.
EBOX-3300A-JSK/3310A-JSK: Standard Version with Mini PCI support and 2 x RS-232 ports.
EBOX-3300A-L2/3310A-L2: Standard Version with 2 x LAN and 2 x RS-232, no PS/2
EBOX-3300A-LS/3310A-LS: Standard Version with 128MB CF card + DMP Embedded Linux OS.

- Fanless design
- VESA mounting support
- MSTI PDX-600
- Onboard 256MB/512MB DDR2
- PXE Diskless Boot
- Compact Flash slot
- Micro SD slot
- 3 x USB V2.0 ports (2 at the front)
- 10/100 Mbps LAN
- 2 x RS-232 ports (optional)
- Mini PCI socket (optional)
- Wireless LAN (optional)
- 2.5" Hard Disk support (optional)
- Ultra low power

- High performance
- Fanless design
- VESA mounting support
- PMX-1000/Vortex86MX+ (933MHz)
- Onboard 512MB/1GB DDR2
- PXE Diskless Boot
- 2.5" SATA HDD support (optional)
- SATA DOM support (optional)
- SD, SDHC support
- TV-Out support (optional)
- WiFi Dongle support (optional)
- 3 x USB V2.0 ports (2 at the front)
- 3 x RS-232 ports (optional)
- 1 x RS-422 port (optional)
- 1 x RS-485 port (optional)
- Ultra low power

EBOX-33xxMX Series

	Model	3300MX	3300MX-M	3300MX-H	3300MX-C	3300MX-C22	3300MX-C85	3300MX-T	3300MX-TM	3300MX-TH	3300MX-TC
	Processor	PMX-1000/Vortex86MX+ (933MHz)									
	Memory	Onboard 512MB DDR2/Onboard 1GB DDR2 (Note 1.)									
	VGA	Integrated Graphics Chip/D-Sub 15-pin						Integrated Graphics Chip/RCA Jack			
	Ethernet	10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function									
	USB	External : 3 ports (2 at the front, 1 at the rear) Internal : 1 port (reserve for USB Dongle)									
	Audio	Mic in and Line out									
	GPIO	N/A									
MIO	SD Slot	1x									
MIO	SATA (Note 2.)	1x	N/A	1x	N/A	N/A	N/A	1x	N/A	1x	N/A
MIO	PS2	PS/2 for Keyboard/Mouse x 1									
Serial	RS-232	3x	N/A	N/A	3x	2x	2x	3x	N/A	N/A	3x
Serial	RS-422	N/A	N/A	N/A	N/A	1x	N/A	N/A	N/A	N/A	N/A
Serial	RS-485	N/A	N/A	N/A	N/A	N/A	1x	N/A	N/A	N/A	N/A
	Power	DC +8V ~ +15V									
	Dimensions	115 x 115 x 35 mm									
	Weight	500g									
	Operation Temp.	5 ~ 50°C									
	Certification	CE, FCC, VCCI									

Note:
1. 1GB DDR2 version called 3310MX series
2. 2.5" Internal SATA HDD and SATA DOM support

Ordering Information:

EBOX-3300MX/3310MX: Standard Version with SATA and 3 x RS-232 ports
EBOX-3300MX-M/3310MX-M: Standard Version
EBOX-3300MX-H/3310MX-H: Standard Version with SATA support
EBOX-3300MX-C/3310MX-C: Standard Version with 3 x RS-232 ports
EBOX-3300MX-C22/3310MX-C22: Standard Version with 2 x RS-232 ports, 1x RS-422 port
EBOX-3300MX-C85/3310MX-C85: Standard Version with 2 x RS-232 ports, and 1x RS-485 port
EBOX-3300MX-T/3310MX-T: Standard Version with SATA, TV-Out, and 3 x RS-232 ports
EBOX-3300MX-TM/3310MX-TM: Standard Version with TV-Out
EBOX-3300MX-TH/3310MX-TH: Standard Version with SATA support, and TV-Out
EBOX-3300MX-TC/3310MX-TC: Standard Version with 3 x RS-232 ports, and TV-Out

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EBOX Mini PC

Specifications

	Model Type	3300MX-AP	3300MX-MAP	3300MX-HAP	3300MX-CAP	3300MX-C22AP	3300MX-C85AP
	Processor	PMX-1000/Vortex86MX+ (933MHz)					
	Memory	Onboard 512MB DDR2/Onboard 1GB DDR2 (Note 1.)					
	VGA	Integrated Graphics Chip/D-Sub 15-pin					
	Ethernet	10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function					
	USB	External : 3 ports (2 at the front, 1 at the rear) Internal : 1 port (reserve for USB Dongle)					
	Audio	Mic in and Line out					
	GPIO	N/A					
	SD Slot	1X					
MIO	SATA (Note 2.)	1x	N/A	1x	N/A	N/A	N/A
	PS2	PS/2 for Keyboard/Mouse x 1					
	RS-232	3x	N/A	N/A	3x	2x	2x
Serial	RS-422	N/A	N/A	N/A	N/A	1x	N/A
	RS-485	N/A	N/A	N/A	N/A	N/A	1x
	Power	DC +8V ~ +15V					
	Dimensions	115 x 115 x 35 mm					
	Weight	500g					
	Operation Temp.	5 ~ 50°C					
	Certification	CE, FCC, VCCI					

Note:
1. 1GB DDR2 version called 3310MX series
2. 2.5" Internal SATA HDD and SATA DOM support

Ordering Information:

EBOX-3300MX-AP/3310MX-AP:Standard Version with SATA and 3 x RS-232 ports and Auto Power On Support
EBOX-3300MX-MAP/3310MX-MAP: Standard Version and Auto Power On Support
EBOX-3300MX-HAP/3310MX-HAP: Standard Version with SATA support and Auto Power On Support
EBOX-3300MX-CAP/3310MX-CAP: Standard Version with 3 x RS-232 ports, and Auto Power On Support
EBOX-3300MX-C22AP/3310MX-C22: Standard Version with 2 x RS-232 ports, 1x RS-422 port and Auto Power On Support
EBOX-3300MX-C85AP/3310MX-C85AP: Standard Version with 2 x RS-232 ports, 1x RS-485 port and Auto Power On Support

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EBOX-33xxMX Series

- High performance
- Fanless design
- VESA mounting support
- PMX-1000/Vortex86MX+ (933MHz)
- Onboard 512MB/1GB DDR2
- PXE Diskless Boot
- 2.5" SATA HDD support (optional)
- SATA DOM support (optional)
- SD, SDHC support
- TV-Out support (optional)
- GPIO support (optional)
- WiFi Dongle support (optional)
- Auto Power On support (optional)
- 3 x USB V2.0 ports (2 at the front)
- 3 x RS-232 ports (optional)
- 1 x RS-422 port (optional)
- 1 x RS-485 port (optional)
- Ultra low power

Specifications

	Model Type	3300MX-G	3300MX-GC22	3300MX-GC85	3300MX-JSK
	Processor	PMX-1000/Vortex86MX+ (933MHz)			
	Memory	Onboard 512MB DDR2/Onboard 1GB DDR2 (Note 1.)			
	VGA	Integrated Graphics Chip/D-Sub 15-pin			
	Ethernet	10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function			
	USB	External : 3 ports (2 at the front, 1 at the rear) Internal : 1 port (reserve for USB Dongle)			
	Audio	N/A			
	GPIO	24-bit GPIO			
	SD Slot	1x			
MIO	SATA (Note 2.)	N/A	N/A	N/A	1x
	PS2	PS/2 for Keyboard/Mouse x 1			
	RS-232	N/A	2x	2x	3x
Serial	RS-422	N/A	1x	N/A	N/A
	RS-485	N/A	N/A	1x	N/A
	Power	DC +8V ~ +15V			
	Dimensions	115 x 115 x 35 mm			
	Weight	500g			
	Operation Temp.	5 ~ 50°C			
	Certification	CE, FCC, VCCI			

Note:
1. 1GB DDR2 version called 3310MX series
2. 2.5" Internal SATA HDD and SATA DOM support

Ordering Information:

EBOX-3300MX-G/3310MX-G: GPIO Version
EBOX-3300MX-GC22/3310MX-GC22: GPIO Version with 2 x RS-232, and 1 x RS-422 port
EBOX-3300MX-GC85/3310MX-GC85: GPIO Version with 2 x RS-232, and 1 x RS-485 port
EBOX-3300MX-JSK/3310MX-JSK: GPIO Version with 3 x RS-232 ports

EBOX Mini PC

Specifications

Model Type		EBOX-3310MX-TS4C (TV-In)	EBOX-3310MX-TD4C (TV-In)	EBOX-3310MX-S4C (VGA)	EBOX-3310MX-D4C (VGA)
Processor		Vortex86MX+ (933MHz)			
Memory		Onboard 1GB DDR2			
VGA		Integrated Graphics Chip/D-Sub 15-pin and RCA Jack		Integrated Graphics Chip/D-Sub 15-pin	
Ethernet		10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function			
USB		External : 5 ports (4 in the front; 1 in the back) Internal : 1 port (reserve for USB Dongle)			
Audio		N/A			
MIO	SD Slot	1x	N/A	1x	N/A
	SATA (Note.)	N/A	1x	N/A	1x
	PS2	N/A	N/A	1x	1x
Serial	RS-232	4x			
Power		DC +8V ~ +15V			
Dimensions		115 x 115 x 35 mm			
Weight		500g			
Operation Temp.		5 ~ 50˚C			
Certification		CE, FCC, VCCI			

Note: 2.5" Internal SATA HDD and SATA DOM support

Ordering Information:

EBOX-3310MX-TS4C: TV-In Version with 6 x USB ports, 4 x RS-232 ports, SD Card support Only.
EBOX-3310MX-TD4C: TV-In Version with 6 x USB ports, 4 x RS-232 ports, support SATA device Only.
EBOX-3310MX-S4C: VGA Version with 6 x USB ports, 4 x RS-232 ports, SD Card support Only.
EBOX-3310MX-D4C: VGA Version with 6 x USB ports, 4 x RS-232 ports, support SATA device Only.

EBOX-3310MX Series

- High performance
- Fanless design
- VESA mounting support
- Vortex86MX+ (933MHz)
- Onboard 1GB DDR2
- PXE Diskless Boot
- 2.5" SATA HDD support (optional)
- SATA DOM support (optional)
- SD, SDHC support
- TV-In support (optional)
- Internal WiFi Dongle support (optional)
- 6 x USB V2.0 ports
- 4 x RS-232 ports
- Ultra low power

EBOX-3310MX-L3U4

Specifications

	Model Type	EBOX-3310MX-L3U4	EB-3310MX-L3U4AP
	Processor	Vortex86MX+ (933MHz)	
	Memory	Onboard 1GB DDR2	
	VGA	Integrated Graphics Chip/D-Sub 15-pin	
	Ethernet	10/100 Mbps LAN x 3 (RJ-45) LAN 1 support Built-in PXE diskless boot function LAN 2, LAN 3 use Realtek RTL8100B	
	USB	External: 4 ports (2 at the front; 2 at the rear)	
	Audio	Mic in and Line out	
MIO	SD Slot	1x	
MIO	SATA	1x (Note 1.)	
MIO	PS2	N/A	
Serial	RS-232	1x	
Serial	RS-422	N/A	
Serial	RS-485	N/A	
	Power	DC +8V ~ +15V	
	Dimensions	115 x 115 x 35 mm	
	Weight	500g	
	Operation Temp.	5 ~ 50	

Note: 1. 2.5" Internal SATA HDD and SATA DOM support

Ordering Information:

EBOX-3310MX-L3U4: VGA out, SATA, LAN x 3, USB 2.0 x 4, RS-232 full 9pin port x 1, SD card support

EB-3310MX-L3U4AP: VGA out, SATA, LAN x 3, USB 2.0 x 4, RS-232 full 9pin port x 1, SD card support and Auto Power On Support

EBOX-3310MX Series

- High performance
- Fanless design
- VESA mounting support
- Vortex86MX+ (933MHz)
- Onboard 1GB DDR2
- PXE Diskless Boot
- 2.5" SATA HDD, SATA Slim DOM support
- SD, SDHC support
- VGA support
- 4 x USB V2.0 ports
- 10/100 Mbps LAN x 3
- 1 x RS-232 port
- Ultra low power

EBOX-3350MX

Specifications

Model Type	EBOX-3350MX	EBOX-3350MX-AP
Processor	PMX-1000 (933MHz)	
BIOS	AMI BIOS	
Memory	Onboard 512MB DDR2	
Auto Power On	N/A	Yes
VGA	Integrated Graphics Chip/D-Sub 15-pin	
Ethernet	10/100 Mbps LAN (RJ45 connector) Built-in PXE diskless boot function	
USB	3 ports (2 at the front, 1 at the rear)	
Audio	Mic in and Line out	
SD Slot (Note)	1x	
Power	DC +5V @ 2A	
Dimensions	95 x 95 x 20 mm	
Weight	277g	
Operation Temp.	5 ~ 40˚C	
Certification	CE, FCC, VCCI	

Note: SD Slot x 1 (Bootable but hot-swappable not support)

Ordering Information:

EBOX-3350MX: Standard Version

EBOX-3350MX-AP: Standard Version with Auto Power On Support

- High performance
- Fanless design
- VESA mounting support (75 x 75 mm)
- PMX-1000 (933MHz)
- Onboard 512MB DDR2
- PXE Diskless Boot
- SD, SDHC support
- 3 x USB V2.0 ports (2 at the front)
- 10/100 Mbps LAN
- External WiFi Dongle support
- Auto Power On support (optional)
- Ultra low power

EBOX-43xx Series

Specifications

Model	EBOX-4300	EBOX-4310
system		
CPU	VIA Eden ULV 500MHz	
BIOS	AMI BIOS	
System Chipset	VIA CX700M	
I/O Chip	Winbond W83697	
System Memory	512MB DDR2	1GB DDR2
I/O		
MIO	1 x EIDE (UltraDMA 133) 1 x Type I/II CF Slot 1 x PS/2 K/B & Mouse 2 x RS-232 (optional) 1 x Mini PCI socket (optional)	
USB	3 x USB 2.0 Ports (Two at the front)	
Display		
I/O	VGA	
Chipset	Integrated VIA UniChrome Pro II, 2D/3D Graphics with MPEG4 and WMV9 decoding accelerator	
Display Memory	Up to 128 MB share system memory	
Display Resolution	Up to 1920 x 1440	
Audio		
AC97 2.2 (Codec)	VIA Vinyl VT1708	
Audio Interface	Mic In, Line out	
Ethernet		
Chipset	Realtek RTL8100B 10/100 Base-T Ethernet	
Remote Boot ROM	Built-in boot ROM function	
Mechanical & Environment		
Power Requirement	+5V @ 3A	
Operating Temp	5 ~ 50 ˚C	
Operating Humidity	0% - 90% relative humidity, non-condensing	
Size (W x H x D)	115 x 115 x 35 mm	
Weight	505 g	
Certification	CE, FCC	

Note: The specification is subject to change without prior notice.

- Fanless design
- VESA mounting support
- VIA Eden ULV 500MHz
- 512MB/1GB DDR2
- PXE Diskless Boot
- 10/100Mbps LAN
- Compact Flash slot
- 3 x USB V2.0 ports (2 at the front)
- Mini PCI socket (optional)
- Wireless LAN (optional)
- 2 x RS-232 ports (optional)
- 2.5" Hard Disk support (optional)

Ordering Information:

EBOX-4300/4310: Standard Version
EBOX-4300-H/4310-H:Standard Version with support for 2.5" HDD
EBOX-4300-M/4310-M:Standard Version with Mini PCI Socket
EBOX-4300-JSK/4310-JSK: Standard Version with Mini PCI Socket and 2 x RS-232

PDX-057T

Specifications

System	
CPU	DM&P SoC CPU Vortex86DX-933MHz
Cache	L1:16KB I-Cache,16KB D-Cache L2:128KB Cache
BIOS	AMI BIOS
Memory	Onboard 256/512MB DDR2
Watchdog Timer	Software programmable from 30.5u to 512 seconds x 2 sets
LAN	Integrated 10/100Mbps Ethernet
Audio	CM119 Line-Out
Internal Drives	Compact Flash Type I/II slot Micro SD slot
I/O	RS-232/422/485 x 1 USB ports (V2.0) x 2
Expansion Slot	Mini-PCI socket x 1
Mechanical & Environment	
Power Requirement	+5V DC +8~+35V DC(Optional)
Power Consumption	+5V @ 1.3A
Operating Temperature	0~+60°C (+23~+140°F)
Storage Temperature	-30 ~ +70°C (-22 ~ 158°F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Dimensions	152 x 112 x 33 mm (5.98 x 4.41 x 1.3 inches)
Weight	374g
Certification	CE,FCC,VCCI,Vibration
LCD Specifications	
Display Type	5.7" TFT LCD
Backlight	LED
Display Resolution	640 (w) x 480 (H)
Brightness(cd/m²)	500 cd/m²
Contrast Ratio	300:1
Display Color	262, 144
Dot Pitch(mm)	0.06 x 0.18
Viewing Angle	Vertical 100° , Horizontal 140°
Backlight Lifetime	25,000hrs
Touchscreen	
Type	Analog Resistive
Resolution	Continuous
Transmittance	80%
Controller	USB interface
Software Driver	DOS/Linux/WinCE/WinXP
Durability	1 Million

Note: The specification is subject to change without prior notice.

PDX-057T

- 5.7" TFT LCD with resistive touchscreen
- DM&P Vortex86DX 933MHz onboard
- 256/512MB DDR2 system memory onboard
- Compact Flash Type I/II /Micro SD Slot
- Mini PCI socket (Wi-Fi Optional)
- Fanless and low power consumption
- Metal chassis with compact design

Ordering Information:

PDX-057T-D5A: 5.7" Vortex86DX Panel PC w/256MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD/20W Power Adapter
PDX-057T-D8A: 5.7" Vortex86DX Panel PC w/256MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD
PDX-057T-D5A-512: 5.7" Vortex86DX Panel PC w/512MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD/20W Power Adapter
PDX-057T-D8A-512: 5.7" Vortex86DX Panel PC w/512MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD

PDX-089T

Specifications

System	
CPU	DM&P SoC CPU Vortex86DX-933MHz
Cache	L1:16KB I-Cache, 16KB D-Cache L2: 128KB Cache
BIOS	AMI BIOS
Memory	512MB DDR2 onboard
Watchdog Timer	Software programmable from 30.5u to 512 seconds x 2 sets
LAN	Integrated 10/100Mbps Ethernet
Audio	CM119 Line-Out
Internal Drives	Compact Flash Type I/II slot Micro SD slot
I/O	RS-232/422/485 x 1 USB ports (Ver2.0) x 2
Expansion Slot	Mini-PCI socket x 1
Mechanical & Environment	
Power Requirement	+5V DC +8 ~ +35V DC(Optional)
Power Consumption	+5V @ 1.3A
Operating Temperature	0 ~ +60 °C (+32 ~ +140 °F)
Storage Temperature	-20 ~ +70 °C (-4 ~ +158 °F)
Dimensions	236.6 x 146 x 35 mm (9.31 x 5.75 x 1.38 inches)
Weight	468g
Certification	CE, FCC, VCCI, Vibration, IP65 (Front Panel)
LCD Specifications	
Display	Type 8.9" TFT LCD
Backlight	LED
Display	Resolution 1024 (W) x 600 (H)
Brightness (cd/m2)	220 cd/m2
Contrast Ratio	500 : 1
Display Color	262,144
Dot Pitch (mm)	0.06 x 0.18
Viewing Angle	Vertical 110°, Horizontal 140°
Backlight Lifetime	25,000 hrs
Touchscreen	
Type	Analog Resistive
Resolution	Continuous
Transmittance	80%
Controller	USB interface
Software Driver	DOS/Linux/WinCE/WinXP
Durability	1 million

- 8.9" TFT LCD with resistive touchscreen
- DM&P Vortex86DX 933MHz onboard
- 512MB DDR2 system memory onboard
- Compact Flash Type I/II /Micro SD Slot
- Mini-PCI socket (Wi-Fi Optional)
- Fanless and low power consumption
- Metal chassis with compact design
- IP65 supported

Ordering Information:

PDX-089T-D5A-512: 8.9" Vortex86DX Panel PC w/512MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD/20W Power Adapter
PDX-089T-D8A-512: 8.9" Vortex86DX Panel PC w/512MB DDR2/2USB/Audio/LAN/COM/CF/MicroSD

PMX-057T

Specifications

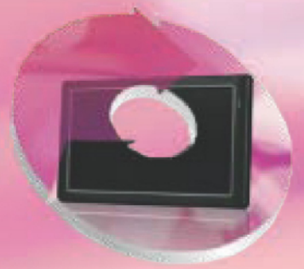
System	
CPU	DM&P Vortex86MX+ 933MHz
Cache	L1:16KB I-Cache, 16KB D-Cache L2: 256 KB Cache
BIOS	AMI BIOS
Memory	1GB DDR2 onboard
Watchdog Timer	Software programmable from 30.5u to 512 seconds x 2 sets
LAN	Integrated 10/100M Ethernet
Audio	HD Audio-Realtek ALC262 CODEC
Internal Drives	Compact Flash Type I/II slot Micro SD Slot
I/O	RS-232/422/485 x 1 USB ports (Ver2.0) x 2
Expansion Slot	Wi-Fi Optional
Mechanical & Environment	
Power Requirement	+5V DC +8 ~ +35V DC
Power Consumption	1.5A
Operating Temperature	0 ~ +50 °C (32 ~ +122 °C)
Storage Temperature	-10 ~ +60 °C (14 ~ +140°C)
Operating Humidity	0% ~90% relative humidity, non-condensing
Dimensions	152 x 112 x 33 mm (5.98 x 4.41 x 1.3 inches)
Weight	374g
Certification	CE, FCC, VCCI, Vibration
LCD Specifications	
Display	5.7" VGA TFT LCD
Backlight	LED
Display	Resolution 640 (W) x 480 (H)
Brightness (cd/m2)	500 cd/m2
Contrast Ratio	300 : 1
Display Color	262,144
Dot Pitch (mm)	0.06 x 0.18
Viewing Angle	Vertical 100°, Horizontal 140°
Backlight Lifetime	25,000 hrs
Touchscreen	
Type	Analog Resistive
Resolution	Continuous
Transmittance	80%
Controller	USB interface
Software Driver	DOS/Linux/WinCE/WinXP
Durability	1 million

PMX-057T

- 5.7" TFT LCD with resistive touchscreen
- DM&P Vortex86DX+ 933MHz onboard
- 1G DDR2 system memory onboard
- Compact Flash Type I/II /Micro SD Slot
- Mini-PCI socket (Wi-Fi Optional)
- Fanless and low power consumption
- Metal chassis with compact design

Ordering Information:

PMX-057T-5A 5.7" Vortex86MX+ Panel PC w/1GB DDR2 /2USB/Line-Out/LAN/1COM/CF/MicroSD/20W Power Adapter
PMX-057T-8A 5.7" Vortex86MX+ Panel PC w/1GB DDR2 /2USB/Line-Out/LAN/1COM/CF/MicroSD/



PMX-089T

Specifications

System	
	DM&P Vortex86MX+ 933MHz
Cache	L1: 16KB I-Cache, 16KB D-Cache L2: 256 KB Cache
BIOS	AMI BIOS
Memory	1GB DDR2 onboard
Watchdog Timer	Software programmable from 30.5u to 512 seconds x 2 sets
LAN	Integrated 10/100M Ethernet
Audio	HD Audio-Realtek ALC262 CODEC
Internal Drives	Compact Flash Type I/II slot Micro SD Slot
I/O	RS-232/422/485 x 1 USB ports (Ver2.0) x 2
Expansion Slot	Wi-Fi Optional
Mechanical & Environment	
Power Requirement	+5V DC +8 ~ +35V DC
Power Consumption	1.5A
Operating Temperature	0 ~ +50 °C (32 ~ +122 °C)
Storage Temperature	-10 ~ +60 °C (14 ~ +140°C)
Operating Humidity	0% ~90% relative humidity, non-condensing
Dimensions	236.6 x 146 x 35 mm (9.31 x 5.75 x 1.38 inches)
Weight	468g
Certification	CE, FCC, VCCI, Vibration, IP65 (Front Panel)
LCD Specifications	
Display	8.9" WSVGA TFT LCD
Backlight	LED
Display	Resolution 1024 x 600 (Pixel)
Brightness (cd/m2)	220 cd/m2
Contrast Ratio	500 : 1
Display Color	262,144
Dot Pitch (mm)	0.06 x 0.18
Viewing Angle	Vertical 100°, Horizontal 140°
Backlight Lifetime	25,000 hrs
Touchscreen	
Type	Analog Resistive
Resolution	Continuous
Transmittance	80%
Controller	USB interface
Software Driver	DOS/Linux/WinCE/WinXP
Durability	1 million

PMX-089T

- 8.9" TFT LCD with resistive touchscreen
- DM&P Vortex86MX+ 933MHz onboard
- 1GB DDR2 system memory onboard
- Compact Flash Type I/II / Micro SD Slot
- Mini-PCI socket (Wi-Fi Optional)
- Fanless and low power consumption
- Metal chassis with compact design

Ordering Information:

PMX-089T-5A 8.9" Vortex86MX+ Panel PC w/1GB DDR2 /2USB/Line-Out/LAN/1COM/CF/MicroSD/20W Power Adapter
PMX-089T-8A 8.9" Vortex86MX+ Panel PC w/1GB DDR2 /2USB/Line-Out/LAN/1COM/CF/MicroSD/

DMP SATA DOM

Specifications

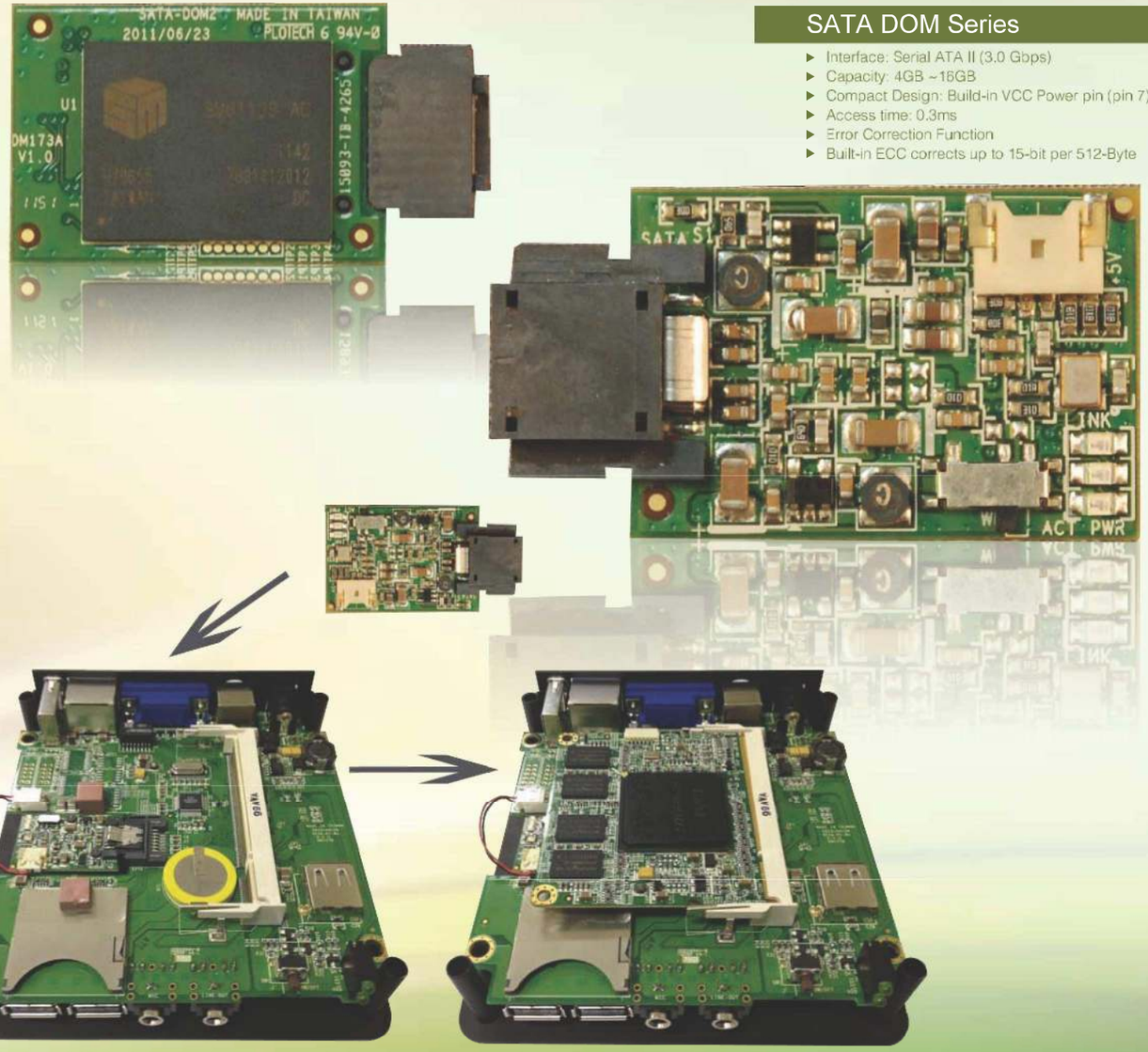
SATA DOM Model Type		SDM-4G-V		SDM-8G-V		SDM-16G-V	
Capacities		4GB		8GB		16GB	
Interface		Serial ATA II (3.0 Gbps)					
DATA Transfer Rate	Seq Read	42.06		44.58		53.39	
	Seq Write	6.389		6.490		11.25	
	512KB R.R.	41.36		44.19		52.86	
	512KB R.W.	6.177		6.271		9.604	
	4KB R.R	8.972		10.53		11.34	
	4KB R.W	0.64		0.61		0.62	
Power Consumption	Operation Mode	Read	Write	Read	Write	Read	Write
	3.3V(mA) Point A	24	36	25	36	26	45
	1.8V(mA) Point B	223	171	230	172	236	174
	Total (mW) A*3.3V+B*1.8V	481	427	497	428	511	462
	Vcc in Total (mW) Point C	525	461	558	497	576	649
Operating Temperature		0°C to +70°C					
Storage Temperature		-40°C to +85°C					
Vibration		20G (7~2000MHz)					
DC input Voltage		5V					
Access time		0.3 ms					
Dimensions		30 x 21 x 4.8mm					

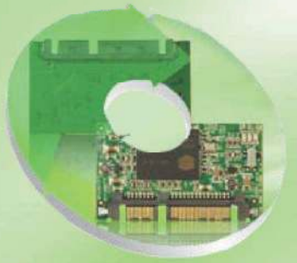
SATA DOM Supported EBOX model types:

EBOX-3300MX / 3310MX
EBOX-3300MX-AP / 3310MX-AP
EBOX-3300MX-H / 3310MX-H
EBOX-3300MX-HAP / 3310MX-HAP
EBOX-3300MX-T / 3310MX-TH
EBOX-3300MX-JSK / 3310MX-JSK
EBOX-3310MX-S4C / 3310MX-TS4C
EBOX-3310MX-L3U4/ EB-3310MX-L3U4AP

SATA DOM Series

- Interface: Serial ATA II (3.0 Gbps)
- Capacity: 4GB ~16GB
- Compact Design: Build-in VCC Power pin (pin 7)
- Access time: 0.3ms
- Error Correction Function
- Built-in ECC corrects up to 15-bit per 512-Byte



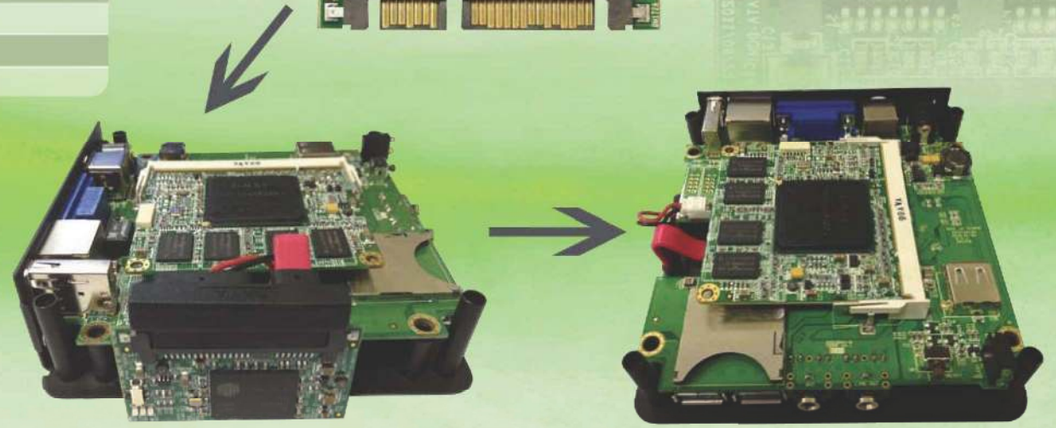


DMP SATA SLIM DOM

Specifications

SATA SLIM DOM Model Type		SDM-SLIM-4G-V		SDM-SLIM-8G-V		SDM-SLIM-16G-V	
Capacities		4GB		8GB		16GB	
Interface		Serial ATA II (3.0 Gbps)					
DATA Transfer Rate	Seq Read	42.06		44.58		53.39	
	Seq Write	6.389		6.490		11.25	
	512KB R.R.	41.36		44.19		52.86	
	512KB R.W.	6.177		6.271		9.604	
	4KB R.R	8.972		10.53		11.34	
	4KB R.W	0.64		0.61		0.62	
Power Consumption	Operation Mode	Read	Write	Read	Write	Read	Write
	3.3V(mA) Point A	24	36	25	36	26	45
	1.8V(mA) Point B	223	171	230	172	236	174
	Total (mW) A*3.3V+B*1.8V	481	427	497	428	511	462
	Vcc in Total (mW) Point C	525	461	558	497	576	649
Operating Temperature		0°C to +70°C					
Storage Temperature		-40°C to +85°C					
Vibration		20G (7~2000MHz)					
DC input Voltage		5V					
Access time		0.3 ms					
Dimensions		53 x 32 x 4.0 mm					

SATA SLIM DOM Supported EBOX model types:

EBOX-3300MX / 3310MX
EBOX-3300MX-AP / 3310MX-AP
EBOX-3300MX-H / 3310MX-H
EBOX-3300MX-HAP / 3310MX-HAP
EBOX-3300MX-T / 3310MX-TH
EBOX-3300MX-JSK / 3310MX-JSK
EBOX-3310MX-S4C / 3310MX-TS4C
EBOX-3310MX-L3U4/ EB-3310MX-L3U4AP

- Interface: Serial ATA II (3.0 Gbps)
- Capacity: 4GB ~16GB
- Compact Design: Build-in VCC Power pin (pin 7)
- Access time: 0.3ms
- Error Correction Function
- Built-in ECC corrects up to 15-bit per 512-Byte