



DMP Electronics Inc.

8F, No 12, Wu-Quan 7 Rd., Wu Gu Industrial Park
Wu Gu Xiang, Taipei 248, Taiwan R.O.C.
TEL: 886 2 2298 0770 FAX: 886 2 2290 2335
<http://www.compactpc.com.tw>

**eBox supports SATA!!
DMP Unveils
eBox-4850A/4860A/4850TA/4860TA/4851A/4861A/4851SA/4861SA
4853A/4863A/4853SA/4863SA**



DMP Electronics Inc (DM&P Group) unveils new models of eBox-IV series, the exquisite, loft, dexterous embedded devices. It is the new generation product introduced by DM&P Group on the basis our strong commitment to the eBox brand and channel.

The new models of eBox-48XXX series are some models of former eBo48XX series which upgrade the interface of storage device. The new models all support the SATA interface, but can't support the IDE anymore. This series is an ultra-compact native x86 platforms optimized for today's demanding embedded and productive applications. By 170 mm x 120 mm, it is ideal for limit space requirement. With an VIA Eden Esther 1.2Ghz processor in fanless structure and ultra low-power consumption, the eBox-IV series is the perfect platform for a wide range of small and affordable application devices.

The eBox-IV series intergraded CX700M chipset featuring hardware include the VIA UniChrome™ Pro Integrated Graphics Processor (IGP) ensuring optimal performance for all, 2D/3D graphics engine, features dedicated 128-bit data paths and MPEG-2 / MPEG-4 and WMV9 Decoder.

It has onboard 1GB DDR, Its high bandwidth connection is supported by two USB 2.0 connections and 10/100 Ethernet..

eBox-IV series is not only fully compatible with Microsoft® Windows series and Linux O/S but further for all embedded operating systems such as Windows XP Embedded. It can broadly be applied to embedded applications, such as Mini PC, Thin Client, POS, KIOSK, network devices, and industrial applications.



Photo of Mainboard 1

The red cable is SATA cable



Photo of Mainboard 2

The black and red power cable is for HDD power







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Features

-  **On-Board VIA Eden Esther 1.2GHz (Fanless)**
-  **On-Board 1GB DDR2**
-  **On-Board 10/100Mbps LAN**
-  **On-Board Audio**
-  **1 x SATA II(no IDE)**
-  **2 x USB 2.0 ports (one on front)**

Specifications

CPU	VIA Eden Esther 1.2GHz processor
BIOS	AMI BIOS
System Chipset	VIA CX700M
I/O Chip	Winbond W83697
System Memory	Onboard 1GB DDR2
Expansion	1 x X-PCI connector

I/O

MIO	1 x Serial ATA II **1 x LPT, **2 x RS-232 1 x PS/2 K/B, 1 x PS/2 Mouse
USB	2 x USB 2.0 Ports (one in front)

Display

Chipset	Integrated VIA UniChrome Pro II, 2D/3D Graphics with MPEG2 and MPEG4 Decoding Accelerator
Display Memory	8/16/32/64 MB share system memory
Display Resolution	1920 x 1440

Audio

AC97 2.2 (Codec)	VIA Vinyl VT1708
Audio Interface	Mic In, Line out, Line in

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)	170x123x56mm
Weight	780g

Note: The specifications are subject to change without prior notice

Ordering Information:

eBox-4850A(512MB)	Support SATA 2.5" HDD
eBox-4860A(1GB)	Support SATA 2.5" HDD
eBox-4850TA(512MB)	Support TV-out no VGA Support SATA 2.5" HDD
eBox-4860TA(1GB)	Support TV-out no VGA Support SATA 2.5" HDD
eBox-4851A(512MB)	1xCF card 1x Printer port Support SATA 2.5" HDD
eBox-4861A(1GB)	1xCF card 1x Printer port Support SATA 2.5" HDD
eBox-4851SA(512MB)	1xCF card 1x RS-232 port Support SATA 2.5" HDD
eBox-4861SA(1GB)	1xCF card 1x RS-232 port Support SATA 2.5" HDD
eBox-4853A(512MB)	1x 124-Pin Mini-PCI socket 1xCF card 1x Printer port Support SATA 2.5" HDD
eBox-4863A(1GB)	1x 124-Pin Mini-PCI socket 1xCF card 1x Printer port Support SATA 2.5" HDD
eBox-4853SA(512MB)	1x 124-Pin Mini-PCI socket 1xCF card 1x RS-232 Support SATA 2.5" HDD
eBox-4863SA(1GB)	1x 124-Pin Mini-PCI socket 1xCF card 1x RS-232 Support SATA 2.5" HDD

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