

eBOX746A-FL

Fanless Embedded System with VIA Processor up to 1.5 GHz

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Embedded Computing Platforms



Front view



Rear view

Specifications

Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel CPU
CPU	VIA Eden 1G and C7 1.5 G processor
System Board	SBC84710
System Memory	1 x 200-pin DDR2 SODIMM max. up to 1GB
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
System I/O Outlet	1 x 9-pin D-Sub male connector, COM1 for RS-232/422/485 3 x 9-pin D-Sub male connector, COM2~4 for RS-232 1 x 15-pin D-Sub female connector for VGA 1 x PS/2 connector for KB/MS through Y-type cable 3 x USB 2.0 connector 1 x RJ-45 connector for 10/100Base-T Ethernet 1 x 25-pin D-Sub female connector for LPT 1 x V _{AC} 100-240 power input connector 1 x AT type power switch
Watchdog Timer	Reset supported; 255 level
Expansion Slot	1 x type II Compact Flash™ slot 1 x 2.5" HDD drive bay
System Indicator	1 x green LED for system Power-on 1 x orange LED for HDD active
Power Supply	Input rating: 1. V _{AC} 100-240 universal/0.5Amp 2. V _{DC} 12V/8Amp 3. V _{DC} 24V/4A 4. V _{DC} 48V/2A Output rating: 70W Output voltage: +5V _{DC} @10A, +12V _{DC} @1.2A, -12V _{DC} @0.3A
Operating Temperature	-5 ~ 55°C with W.T. CF, Eden 1GHz processor -5 ~ 50°C with W.T. HD, Eden 1GHz processor
Storage Temperature	-5° to 80°C
Humidity	10-90% RH (non-condensing)
Vibration Endurance	2Grms w/ CF (5-500Hz, X, Y, Z directions) 0.5Grms w/ HDD (5-500Hz, X, Y, Z directions)
Weight	2.65kg (w/o HDD)
Certification	CE, FCC compliant
Dimension	225mm (8.86") (W) x 225mm (8.86") (D) x 63mm (2.408") (H)
EOS Support	XPE, WinCE, Linux

Features



ECP Services and Solutions

- ▶ Fanless operation
- ▶ Onboard VIA Eden/C7 processor
- ▶ High performance with extremely low power
- ▶ Full feature I/O
- ▶ Supports CompactFlash™ Type II
- ▶ One 2.5" HDD drive bay
- ▶ Watchdog timer
- ▶ 70 watt AC-in or DC-in power supply
- ▶ Wall mount (DIN rail bracket optional)

System-on-a-Module Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards

Half-size CPU Cards, Backplanes

PCI/104 Modules

Mini PCI Modules

Accessories

Remote Field Controllers

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix

Ordering Information

Standard	
eBOX746A-FL1.0G	With VIA Eden 1.0 G processor, 512MB DDR2 SODIMM, AC-in 70W
eBOX746A-FL1.5G	With VIA C7 1.5 G processor, 512MB DDR2 SODIMM, AC-in 70W
Optional	
CompactFlash™	256MB, 512MB, 1G, 2G, 4G
2.5" HDD	20G, 40G
Power Supply	12V _{DC} -in 70W, 24V _{DC} -in 70W, 48V _{DC} -in 70W
DDR2 SODIMM	1G
DIN Rail Kit	DRP-02

Dimensions

