

eBOX638-FL

Fanless Embedded System with Intel® Pentium® M Processor
up to 1.4 GHz, Intel® 855GME/852GM+6300ESB Chipset and 2 PCI-X Slots



Front view



Rear view



Features

- Supports socket 478 for Intel® Pentium® M processor up to 1.4 GHz
- Intel® 855GME/852GM+6300ESB chipset
- High performance with full feature I/O
- Supports 2 PCI-X (64 bit) slots
- Supports 4 USB 2.0 ports and 4 COM ports
- MiniPCI interface and PCI-104 interface
- One 2.5" SATA/IDE HDD drive bay and CompactFlash™
- ATX 100W 12V_{dc}/24V_{dc}-in power supply

Specifications

Standard Color	Black
Construction	Aluminum extrusion and heavy-duty cold-rolled steel
CPU	Socket 478 for Intel® Celeron® M 600 MHz/Celeron® M 1.0 GHz/OK/Pentium® M 1.1 GHz/Pentium® M 1.4 GHz
System Memory	1 x 184-pin DDR DIMM max. up to 1GB
Chipset	Intel® 855GME/852GM+6300ESB
BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and Customer CMOS backup
System I/O Outlet	3 x RS-232 (COM 1/3/4) 1 x RS-232/422/485 (COM 2) 1 x VGA 1 x Audio (Mic-in/Line-in/Line-out) 1 x LPT 1 x PS/2 keyboard/mouse 2 x 10/100Mbps Ethernet 4 x USB 2.0 1 x V _{dc} power input connector
Watchdog Timer	1024 levels
Storage	Supports 1 x 2.5" IDE (default)/SATA HDD drive bay Supports 1 x CompactFlash™
Expansion Interface	2 x 64bit PCI-X slot, support max. length of 185mm of PCB boards expansion, 33MHz when using PCI card 1 x MiniPCI type-III socket 1 x PCI104 slot optional for AX1044 PCMCIA card
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	* DC ATX 100W Input: 12V _{dc} Output: +5V@10A, +12V@5A, +5Vsb@0.8A * DC ATX 100W Input: 24V _{dc} Output: +5V@10A, +12V@5A, +5Vsb@0.8A
Operating Temperature	-10°C - +50°C (14°F - 122°F) (with W.T. HDD, DC PSU)
Storage Temperature	-20°C - +80°C (-4°F - +176°F)
Humidity	10% - 90%, non-condensing
Vibration Endurance	2Grms with CF (5-500Hz, X, Y, Z directions) 0.5Grms w/ HDD (5-500Hz, X, Y, Z directions)
Dimensions	180mm (7.09") (W) x 230mm (9.06") (D) x 126.2mm (4.98") (H)
Weight (net/gross)	3.67 kg (8.09 lb)/4.8 kg (10.58 lb)
Certification	CE
EOS Support	XPE, WinCE, Linux

*W.T.: Wide Temperature. All W.T. supported products have to be sorted by AXIOMTEK
**XPE: Windows® XP Embedded

Packing List

1 x Quick manual, 1 x Driver CD, 1 x Y cable for PS/2 keyboard/mouse,
1 x Screw pack, 4 x Foot pad, 4 x HDD anti-vibration damper, 2 x Wall mount kit

Ordering Information

Standard	
eBOX638-FL1.4G	Fanless embedded system with Intel® Pentium® M 1.4 GHz processor, ATX 100W power supply
eBOX638-FL1.1G	Fanless embedded system with Intel® Pentium® M 1.1 GHz processor, ATX 100W power supply
eBOX638-FL1.0G	Fanless embedded system with Intel® Celeron® M 1.0 GHz/OK processor, ATX 100W power supply
eBOX638-FL600	Fanless embedded system with Intel® Celeron® M 600 MHz processor, ATX 100W power supply
Optional	
CompactFlash™	32MB - 2GB
2.5" HDD	40GB - 160GB
Power Supply	24V _{dc} -in
DDR DIMM	256MB - 1GB
E.T. support	eBOX638-FLS extended temperature support version

*Specifications and certifications are limited to optional.

Dimensions

