

eBOX638-FL

Fanless Embedded System with Intel® Pentium® M Processor up to 1.4GHz and PCI-X

Embedded Computing Platforms



Front view



Rear view

Specifications

Standard Color	Black
Construction	Heavy-duty steel
CPU	Intel® Pentium® M 1.4GHz/Intel® Pentium® M 1.1GHz/ Intel® Celeron® M 600MHz, 1GHz/0KB cache processor
System Board	SBC83810VEA
System Memory	1 x 184-pin DDR DIMM max. up to 1GB
BIOS	Phoenix-Award 4Mbit with RPL / PXE LAN Boot ROM SmartView and Customer CMOS Backup
System I/O Outlet	3 x 9-pin D-Sub male connector, COM1, 3, 4 for RS232 1 x 9-pin D-Sub male connector, COM2 for RS485 / 422 / 232 1 x 15-pin D-Sub female connector for VGA 1 x 25-pin D-Sub female connector for LPT 1 x PS/2 connector for K/B and M/S through Y-Type cable 1 x RJ45 connector for 10/100Base-T Ethernet 4 x USB 2.0 connector 1 x V _{dc} power input connector
Watchdog Timer	Reset supported; 600 level
Expansion Slot	2 x PCI-X (64bit) expansion slot 1 x Mini PCI Type-III socket, 1 x 2.5" HDD drive bay 1 x Type II CompactFlash™ slot, 1 x PCI104 interface
System Indicator	1 x green LED for system power-on 1 x orange LED for HDD active
Power Supply	Input rating: 12V _{dc} /24V _{dc} Output rating: ATX100 Watt Output voltage: +5V _{dc} @ 10A, +12V _{dc} @ 5A +5V _{sb} @ 0.8A
Operating temperature	-10°C to 50°C (w/W.T. HDD, DC P/S)
Storage temperature	-20°C to 80°C
Humidity	10-90% RH (no condensation)
Vibration endurance	2Grms w/CF (5-500Hz,X,Y,Z directions) 0.5Grms w/HDD (5-500Hz,X,Y,Z directions)
Weight	3.67 kg
Certification	CE
Dimensions	235mm (9.25") (W) x 180mm (7.09") (D) x 144mm (5.67") (H)
EOS Support	XPE, WinCE, Linux

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

Features



- ▶ Supports Intel® Pentium® M processor up to 1.4GHz
- ▶ High performance with full feature I/O
- ▶ Supports PCI-X (64 bit) interface
- ▶ Supports four USB 2.0 ports and four COM ports
- ▶ Supports one Mini PCI interface
- ▶ Supports PCI104 interface
- ▶ Supports CompactFlash™ II
- ▶ One 2.5" HDD drive bay
- ▶ Watchdog Timer
- ▶ ATX 100W 12V_{dc}/24V_{dc}-in power supply
- ▶ Wall mount

ECP Services and Solutions

Computer-On-Modules Solutions

Mini ITX SBC

3.5" Capa Boards

EPIC Boards

5.25" Petit Boards & Accessories

Half-size CPU Cards, Backplanes

PCI104 Modules

Mini PCI Modules

Embedded eBOX Systems & MicroBoxes

Power Supplies

Appendix

Ordering Information

Standard	
eBOX638-FL1.4G	With Intel® Pentium® M 1.4GHz processor ATX100W power supply
eBOX638-FL1.1G	With Intel® Pentium® M 1.1GHz processor ATX100W power supply
eBOX638-FL1.0G	With Intel® Celeron® M 1.0GHz/0K processor ATX100W power supply
eBOX638-FL600	With Intel® Celeron® M 600MHz processor ATX100W power supply
Optional	
CompactFlash™	32M, 64M, 128M, 256M, 512M, 1G, 2G
2.5" HDD	20G, 40G, 60G, 80G
DDR DIMM	256M, 512M, 1GB
W.T. Support	eBOX638-FLS wide temperature support version

Dimensions

