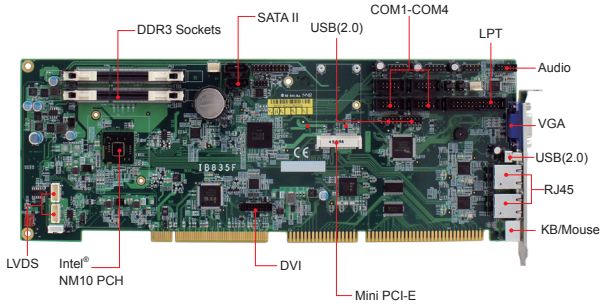
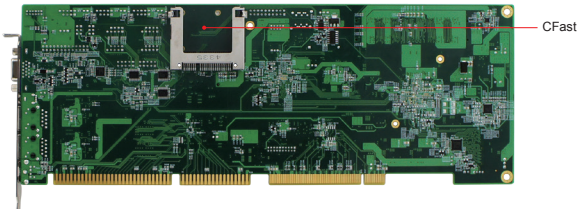
IB835

Onboard Intel® Atom™ Processor D2550
PICMG® 1.0 Full-Size CPU Card w/ Intel® NM10 PCH





Features

- Intel® Atom™ processor D2550, 1.86GHz
- 2x DDRIII SO-DIMM, Max. 4GB
- Integrated graphics device, GMA3650
- Supports DVI-D, 24-bit dual channel LVDS and CRT
- 2x Gigabit LAN
- 2x SATA II, 7x USB 2.0, 4x COM, 1x CFast, Watchdog timer
- Digital I/O, ISA High Drive, Mini PCI-E socket

System

CPU	Intel® Atom™ D2550 processor, 1.86GHz
System Memory	2x DDR3 SO-DIMM, Max. 4GB
System Chipset	Intel® NM10 PCH
BIOS	AMI
Watchdog Timer	256 levels
SSD	CFast socket (solder side)
H/W Monitor	Yes
Expansion Slot	1x Mini PCI-E socket

Graphics

VGA Controller	Intel® Atom™ D2550 processor integrated graphic (GMA3650)
VGA Memory	Max. Shared memory – 224MB
Display Interface	Supports CRT, DVI-D and 24-bit dual channels LVDS interface

LAN

LAN Controller	2x Intel® I211AT PCI Express Gigabit LAN
Connector	RJ-45 onboard

Multi I/O

I/O Chipset	Fintek F81846AD-I 2x SATA II, 1x LPT, 1x Keyboard, 1x Mouse, 3x RS232, 1x RS-232/422/485 (jumperless selection)
USB	7 ports onboard
Audio	Built-in HD audio+ Realtek ALC662 codec
Others	Digital I/O(4-in/4-out)

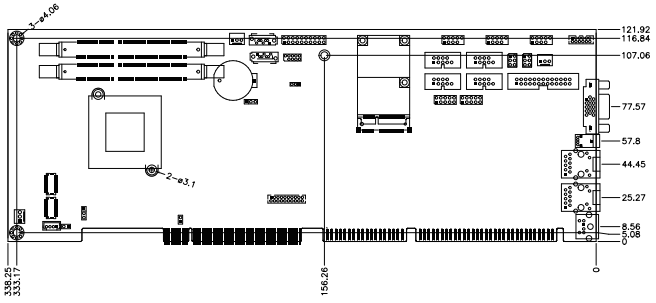
Mechanical and Environmental

Dimensions	338mm x 122mm (13.31" x 4.8")
Max. Power Requirement	TBC
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

IB835F	Intel® Atom™ D2550 onboard Full-Size CPU card w/ VGA, DVI-D, LVDS and dual Gigabit LAN,4x COM, Mini PCI-E socket, CFast
IP470	PICMG 1.0 Backplane w/ 12x PCI, 2x ISA

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.