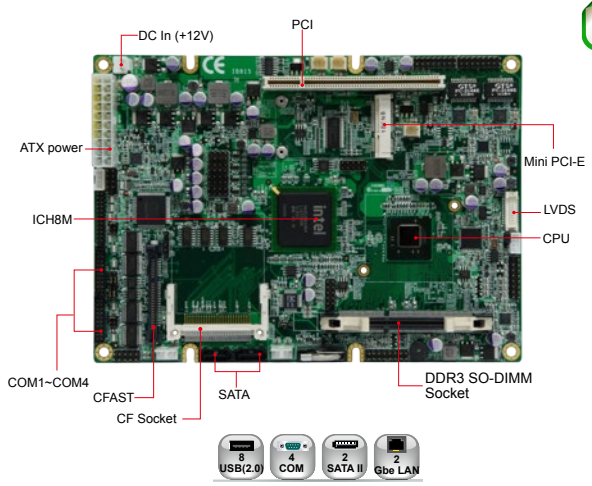
IB815 Intel® Atom™ D525 5.25" Disk-Size SBC w/ Intel® ICH8M Chipset

Intel® Atom™-Based



iSMART

Features

- Onboard Intel® Atom™ Processors D525, 1.80GHz
- 1x DDR3 SO-DIMM, Max. 4GB
- iSMART - for EuP/ErP power saving, auto-scheduler and power resume
- Supports CRT and 24-bit single channel LVDS
- Onboard dual PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 8x USB 2.0, 4x COM, 2x SATA II
- 1x PCI, 1x Mini PCI-E

System

CPU	Intel® Atom™ Processor D525 (1.80GHz, 1MB L2 cache)
System Memory	1x DDR3-800 SO-DIMM, Max. 4GB
System Chipset	Intel® 82801HBM I/O Controller (ICH8M)
BIOS	AMI
Watchdog Timer	256 levels
SSD	1x CFast socket 1x CF
Type II CF socket only (IB815F)	Yes
H/W Monitor	Yes
Expansion Slots	1x PCI, 1x Mini PCI-E

Graphics

VGA Controller	Intel® ICH8M Integrated GMA3150
VGA Memory	Max. Shared memory – 224MB
LCD Interface	Supports VGA and 24-bit single channel LVDS

LAN

Controller	Realtek RTL-8111E PCI-E Gigabit LAN
Connector	2x RJ-45 on board

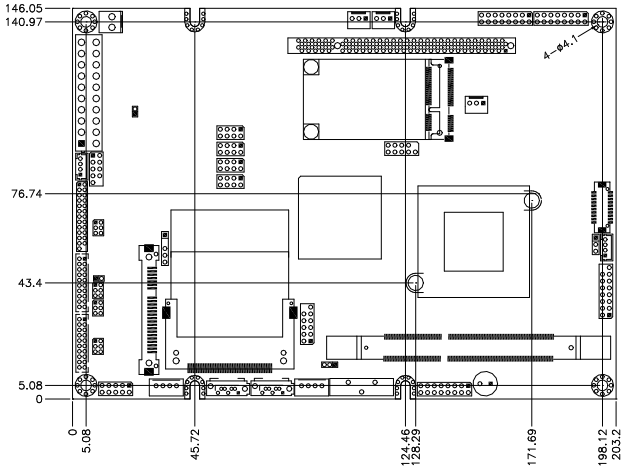
Multi I/O

I/O Chipset	Nuvoton NCT6627UD 1x KB, 1x Mouse, 1x LPT, 1x IrDA 3x RS232, 1x RS-232/422/485, 2x SATA II
USB	8 ports via pin-header (USB 2.0)
Audio	Intel® ICH8M built-in audio w/ Realtek ALC662 Codec for 5.1 CH
Others	Digital I/O(4-in.4-out), iSMART +12V DC In or ATX (12V only)

Mechanical and Environmental

Dimensions	203mm x 146mm (8" x 5.75")
Max. Power Requirement	Intel® Atom™ D525 1.80GB w/ 4GB DDR3-1333 +12V: 1.652A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90% (non-condensing)

Ordering Information

IB815	Intel® Atom™ Processor D525 1.80GHz SC with CPU cooler 5.25" Disk-Size SBC w/ VGA+24-bit single channel LVDS, Dual Gigabit LAN,CF, CFast, iSMART
ID815	Daughter card w/ 2x GbE RJ45 connector
IB72	Cable kit w/ SATA, COM, VGA, PS/2, USB, audio, power cable, Printer cable (for IB815)

Dimensions