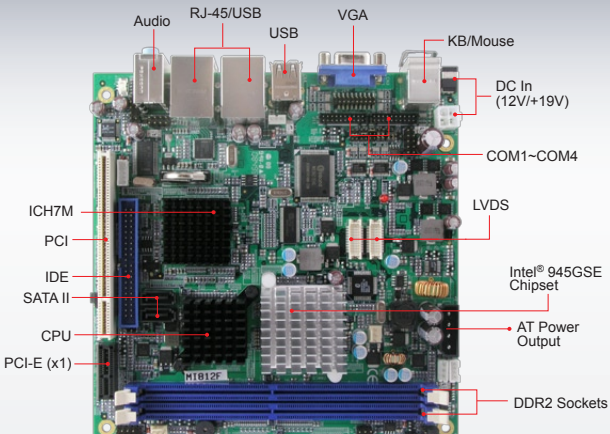


MI812



Audio

RJ-45/USB

USB

VGA

KB/Mouse

DC In (12V/+19V)

COM1~COM4

LVDS

Intel® 945GSE Chipset

AT Power Output

DDR2 Sockets

ICH7M

PCI

IDE

SATA II

CPU

PCI-E (x1)

8 USB

4 COM

2 SATA

1 10/100

1 GbE LAN Option

Features

- Onboard Intel® Atom™ Processor N270, 1.6GHz, 533MHz FSB
- 2x DDR2 DIMM, Max. 2GB
- Supports CRT and LVDS (dual display)
- Onboard 10/100 BaseT and PCI-E Gigabit LAN
- 2x SATA, 8x USB 2.0, 4x COM, 1x IDE
- 1x PCI, 1 x PCI-E (x1), 1x Mini PCI-E(x1)

System

CPU	Intel® Atom™ Processor N270, 1.6GHz
System Memory	2x DDR2 DIMM, 533MHz, Max. 2GB
System Chipset	Intel® 945GSE + ICH7M, 533MHz FSB
BIOS	Award
Watchdog Timer	256 levels
SSD	CF socket (solder side)
H/W Monitor	Yes
Expansion Slot	1x PCI, 1x PCI-E (x1), 1x Mini PCI-E (x1)

Graphics

VGA Controller	Intel® 945GSE integrated GMA950
VGA Memory	Supports DVMT 3.0; Max. shared memory - 224MB
Display Interface	Supports CRT, onboard Chronitel CH7308 for 24-bit dual channels LVDS interface

Ethernet

Controller	Intel® ICH7M integrated 10/100BaseT LAN, optional Intel® 82574L PCI-E Gigabit LAN
Connector	RJ-45 on board

Multi I/O

Chipset	ICH7M, Winbond W83627EHG, Fintek F81216DG 1x IDE, 1x KB, 1x Mouse, 1x LPT, 3x RS-232, 1x RS-232/422/485, 2x SATA
USB	6 ports on board Pin header for 2 ports (USB 2.0)
Audio	Intel® ICH7M built-in audio w/ Realtek ALC662 codec for 5.1CH
Others	Digital I/O (4-in/4-out), +12V/+19V DC In



Mechanical and Environmental

Dimensions	170mm x 170mm (6.7" x 6.7")
Max. Power Requirement	Intel® Atom™ N270 1.6GHz w/ 2x 1GB DDR2-800 +12V: 2.65A
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

MI812	Intel® Atom™ N270 945GSE Mini-ITX motherboard w/ VGA and 10/100 LAN
MI812F	Intel® Atom™ N270 945GSE Mini-ITX motherboard w/ VGA, 10/100 and PCI-E Gigabit LAN



Remarks:
* Specifications are subject to change without prior notice.

1	Motherboards
2	Disk-Size SBCs
3	CPU Modules
4	PC/104 Puls
5	CPU Card
6	Embedded Systems
7	Network Security Appliance