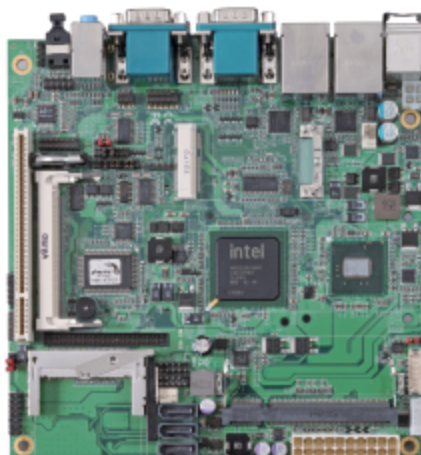


Intel® Atom™ D525 dual-core Processor, Onboard LVDS, VGA, dual Gigabit LAN, USB2.0, HD Audio, SATA, CF, PCI, PCIE Mini card & Mini-PCI socket, DC 9V ~ 24V or ATX Power Supply



## Features

- ❖ Intel® Atom™ D525 dual-core processor
- ❖ Intel® ICH8M Chipset
- ❖ (1) DDR2 SO-DIMM up to 4.0 GB
- ❖ Intel® integrated extreme GMA 3150 technology
- ❖ Onboard 18-bit single channel LVDS
- ❖ (2) PCIE mini card sockets

## Specification

### System >>>

CPU	Intel® Atom™ D525, 1.80GHz, 1MB cache Package type : Micro-FCBGA (FCBGA559)
Chipset	Intel® ICH8M
Memory	1 x 200-pin DDR2-667 SO-DIMM up to 2.0 GB
BIOS	Phoenix-Award
Watchdog Timer	Generates a system reset internal timer for 1sec/min ~ 255 sec/min
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages

### I/O Interfaces >>>

Serial ATA	3 x SATAII interface with 300MB/s transfer rate
Solid State Disk	1 x Compact Flash Type-II, 1 x 44-pin IDE
Internal I/O Port	1 x Audio, 4 x USB2.0, 1 x LVDS, 1 x LCD Inverter, 1 x LPT 3 x RS232, 1 x SMBUS, 1 x IrDA, 1 x GPIO
External I/O Port	2 x RS232, 1 x RS232/422/485, 2 x LAN, 1 x VGA, 1 x PS/2, 4 x USB2.0, 1 x SPDIF, 1 x Audio
GPIO Interface	Onboard programmable 8-bit Digital I/O interface

### Audio >>>

Audio Codec Interface	Intel® ICH8M integrated with Realtek ALC888 HD Codec External MIC-in/Line-out/Speaker-out ports on rear I/O panel
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### Display >>>

Graphics	Intel® integrated extreme GMA 3150 Technology
CRT	Resolutions up to 2048 x 1536 @ 75 Hz
DVI	N/A
LVDS	Chipset Integrated 18-bit single channel LVDS

### Ethernet >>>

Controller	2 x Intel® 82583V Gigabit Ethernet controller
Interface	RJ-45
iAMT	Intel
Wake On LAN	Yes

### Mechanical and Environmental >>>

Form Factor	Mini-ITX
Dimensions	170 mm x 170 mm (L x W)
Operating Temp.	0°C ~ 60°C (32 ~ 140°F)
Storage Temp.	-20°C to 80°C
Relative Humidity	10% to 90%, non-condensed

### Power >>>

Power Requirement	DC 9V ~ 24V input or standard 20-pin ATX power supply
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## Ordering Information

Model Number	Description / Configuration
MB-463GGX	Support Intel® Atom™ D525 processor with onboard VGA, 18-bit LVDS, Audio, (2) Gigabit LAN, USB2.0, SATA, CF, PCI, Mini-PCI & PCIE mini card