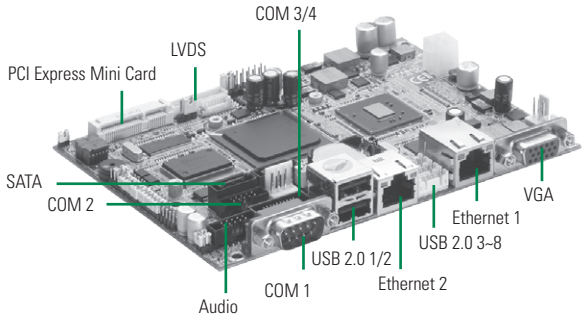
CAPA800

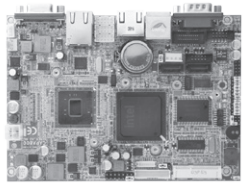
Intel® Atom™ N450/ D410/ D510
3.5" Embedded SBC with Intel® ICH8M Chipset, LVDS/VGA, Dual LANs and Audio



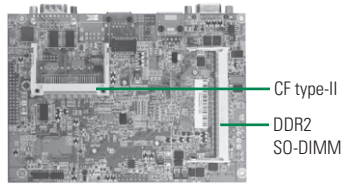
Supports Intel Atom inside | Fanless | Low Power | PCIe Mini | AiRD

Features

- Intel® Atom™ processor N450/D410/D510 1.66 GHz
- 1 DDR2 SO-DIMM supports up to 2 GB memory capacity
- 8 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion
- Display: LVDS/VGA



▲ Top view



▲ Rear view

System

CPU	Intel® Atom™ processor N450/ D410 1.66 GHz single core & D510 1.66 GHz dual core onboard
System Memory	1 x 200-pin SO-DIMM supports DDR2-667/800 max. up to 4 GB (N450 supports DDR2-667 max. up to 2 GB)
Chipset	Intel® ICH8M
BIOS	AMI
SSD	1 x CompactFlash™
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x PCI Express Mini Card V1.2
Battery	Lithium 3V/220mAH
Power Input	2 x 2-pin connector +12V DC-in only AT Auto Power ON function supported
Power Requirements	*Intel® Atom™ N450 @1.66 GHz, 1 GB DDR2 Max. RMS: +12V @ 907mA *Intel® Atom™ D410 @1.66 GHz, 1 GB DDR2 Max. RMS: +12V @ 1.02A *Intel® Atom™ D510 @1.66 GHz, 1 GB DDR2 Max. RMS: +12V @ 1.207A
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating	Standard: 0° ~ +60°C (32°F ~ 140°F)
Temperature	Optional: -20°C ~ +70°C (-4°F ~ +158°F)
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	3 x RS-232 (COM 2~4); with +5V/+12V powered 1 x RS-232/422/485 (COM1); with +5V/+12V powered
SATA	2 x SATA-300
Hardware Monitoring	Detect system temperature, voltage and fan speed
Ethernet	1st port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Intel® 82567V 2nd port 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek RTL8111DL
Audio	HD Codec audio as MIC-in/Line-in/Line-out/Speaker-out with Realtek ALC662
USB	8 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	8 channels IN/OUT programmable

Display

Chipset	Intel® GMA 3150 graphics core
Memory Size	Intel® DVMT 4.0 compliant
Display Interface	1 x VGA 1 x LVDS; 18-bit single channel

Packing List

Standard

Quick installation guide, user's manual/utility CD, cable

Cable

Part Number	Description	Qty
59380000300E	2 x COM w/ bracket P=1.27 x 2.54 L=300 mm	1
59384500100E	Audio cable w/ bracket P=2,450 mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180 mm	1

Ordering Information

Standard

CAPA800VGGA-N450 (fanless) (P/N: E38E800100)	3.5" SBC with Intel® Atom™ processor N450, VGA/LVDS, 2 10/100/1000Mbps Ethernet, 4 COM, 8 USB and audio
CAPA800VGGA-D510 (heatsink fan included) (P/N: E38E800103)	3.5" SBC with Intel® Atom™ processor D510, VGA/LVDS, 2 10/100/1000Mbps Ethernet, 4 COM, 8 USB and audio

Optional/MOQ

CAPA800VGGA-D410 (heatsink fan included) (P/N: E38E800102)	3.5" SBC with Intel® Atom™ processor D410, VGA/LVDS, 2 10/100/1000Mbps Ethernet, 4 COM, 8 USB and audio
AX95601 (P/N: E395601100)	LVDS converter for scale up to 1920 x 1080 48bit
AX95601 (P/N: E395601101)	LVDS converter for pixel compensated to 1280 x 1024 48bit

* All specifications and photos are subject to change without notice.

Mouser Electronics

Authorized Distributor

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Axiomtek:

CAPA800VGGA-D510 CAPA800VGGA-N450