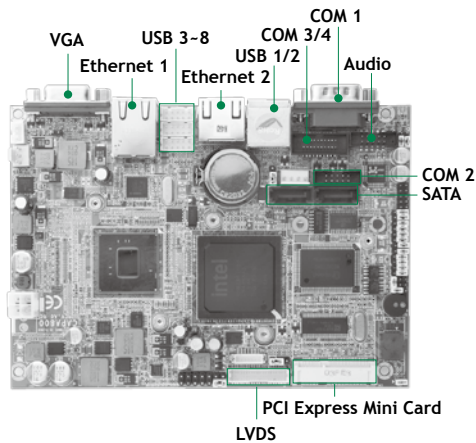


CAPA800

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

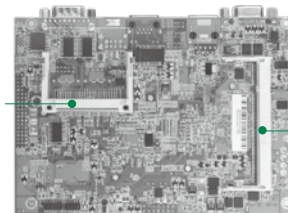


N450/D410/D510
2 G.E.
LVDS/VGA
8 USB 2.0
HD Audio
PCIe Mini Card
CompactFlash™



Features

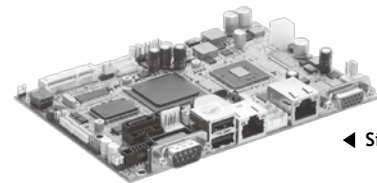
- Intel® Atom™ processor N450/ D410/ D510 1.66 GHz
- Intel® ICH8M chipset
- 1 DDR2 SO-DIMM supports up to 2 GB memory capacity
- 8 USB 2.0 ports
- 4 COM ports
- PCI Express Mini Card expansion



CF type-II

DDR2 SO-DIMM

◀ Rear view



◀ Side 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 2 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, 1GB DDR2 Max. RMS: +12V @ 907mA *Intel® Atom™ D410 @1.66 GHz, 1GB DDR2 Max. RMS: +12V @ 762mA *Intel® Atom™ D510 @1.66 GHz, 1GB DDR2 Max. RMS: +12V @ 1.207A
Size	146 x 104 mm
Board Thickness	1.6 mm
Operating Temperature	Standard: 0°C - +60°C (32°F - 140°F) 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® DVM T 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=300mm	1
59384500100E	Audio cable w/ bracket P=2,450mm	1
59382631000E	2 x USB 2.0 wafer cable w/ bracket 180mm	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 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 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 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