



EPIC-747E

Wide-Range Temperature Intel® Atom™ N455 EPIC Board



Features

- Soldered Onboard Intel® Atom™ N455 Processor
- Soldered Onboard 2GB DDR3 Memory
- Dual Gigabit Ethernet Ports
- Analog RGB and Single Channel 18-bit LVDS Display
- Support Dual Independent Displays
- Integrate SIM Socket to Support Mobile Telecommunication
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ N455 1.6GHz processor
Memory	Soldered onboard 2GB DDR3 SDRAM
Chipset	Intel® ICH8M
BIOS	AMI PnP Flash BIOS
Watchdog Timer	1~255 levels reset

I/O

I/O Chip	Winbond W83627UHG
Serial Port	5 x COM ports (4 x RS-232, 1 x RS-232/422/485 selectable)
USB Port	8 x USB 2.0 ports
KB/MS	1x6-pin wafer connector for keyboard and mouse (PS/2 interface via cable)
Digital I/O	8-bit programmable Digital Input/Output

1 x Mini PCI socket

1 x Mini-card socket

1 x SIM socket

1 x Ultra ATA, supporting 2 IDE devices

Storage 2 x SATA ports at 300MB/s HDD transfer rate

Soldered onboard 2GB NANDrive

Ethernet Chipset 2 x Realtek RTL8111 PCIe GbE controllers

Audio Interface Realtek ALC888 7.1 Channel HD Audio Codec, Mic-in/Line-in/Line-out

Display

Graphics Chipset Integrated Intel® Graphics Media Accelerator 3150

Support Analog RGB

Graphics Interface LCD: Single Channel 18-bit LVDS

Support Dual Independent Displays

Mechanical & Environmental

Power Connector 4-pin Aux. ATX power connector

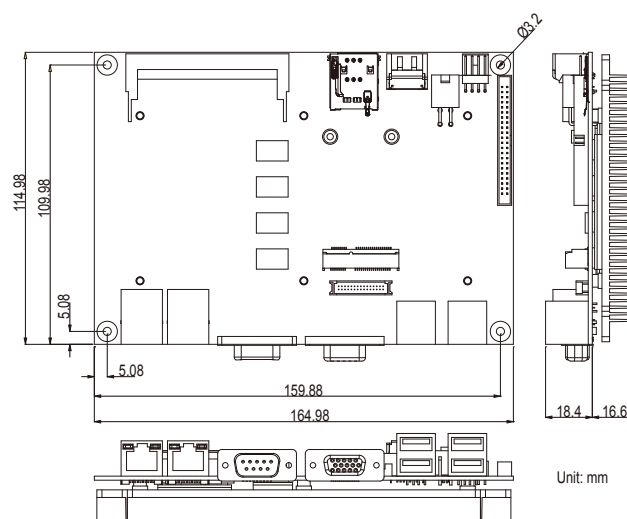
Power Consumption 1.27A@+12V (Typical)

Operating Temp. -40 ~ 85°C (-40 ~ 185°F)

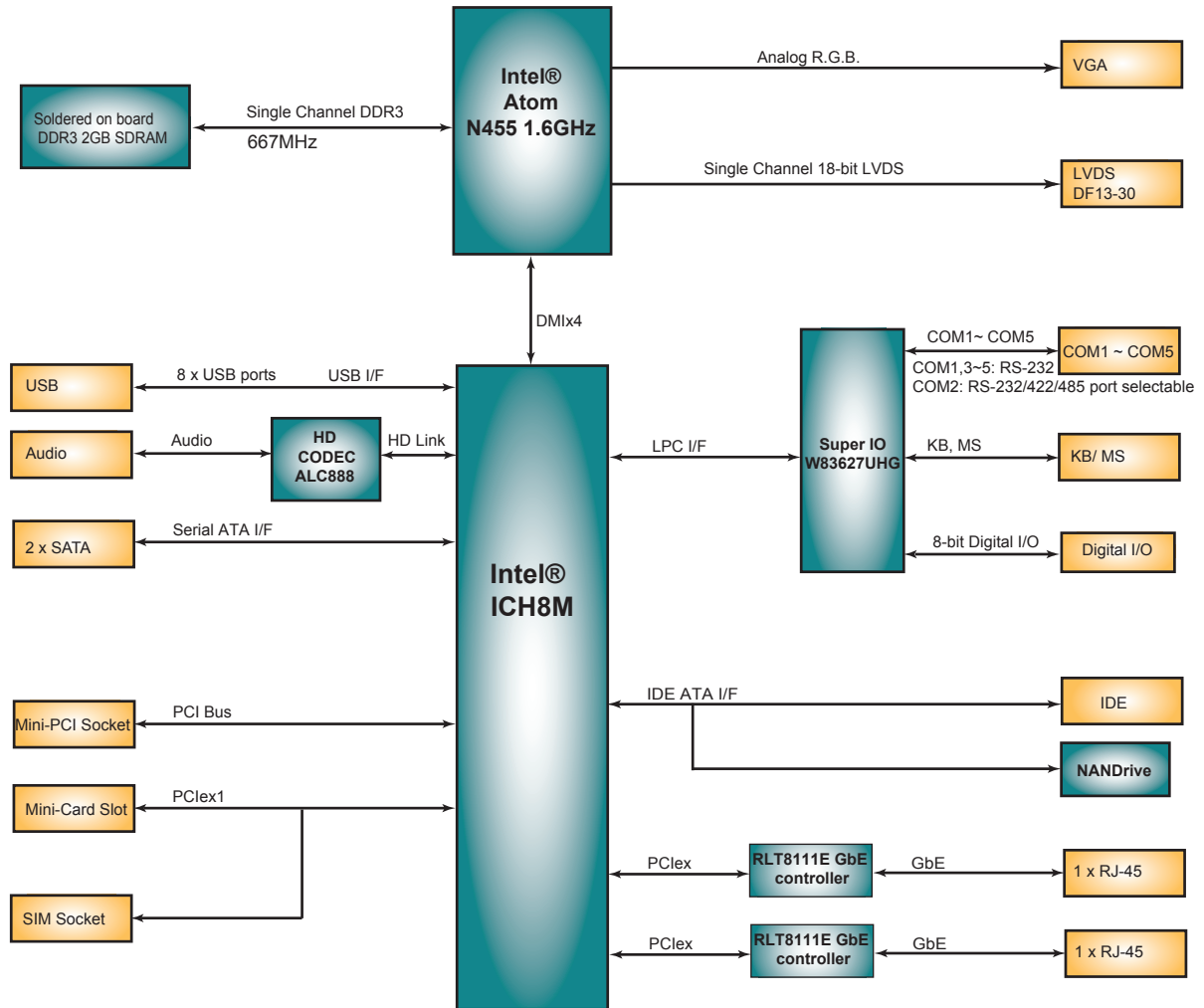
Operating Humidity 10 ~ 95% @ 85°C (non-condensing)

Dimensions (L x W) 165 x 115 mm (6.5" x 4.53")

Dimensions



Block Diagram



Ordering Information

EPIC-747E

Intel® Atom™ N455 EPIC compact board with 2GB NANDrive

Optional Accessories

CBK-11-2902-00

Cable kit

- 1 x IDE cable
- 1 x AUDIO cable
- 2 x SATA cables
- 2 x USB cables
- 4 x COM port cables
- 1 x KB/MS cable

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ARBOR Technology:](#)

[CBK-11-2902-00](#)