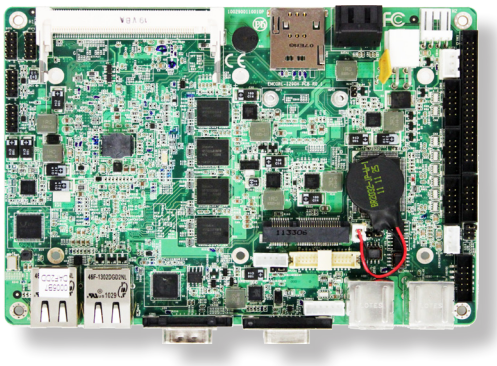
EPIC-747E

Wide-Range Temperature Intel® Atom™ Processor N455 EPIC Board



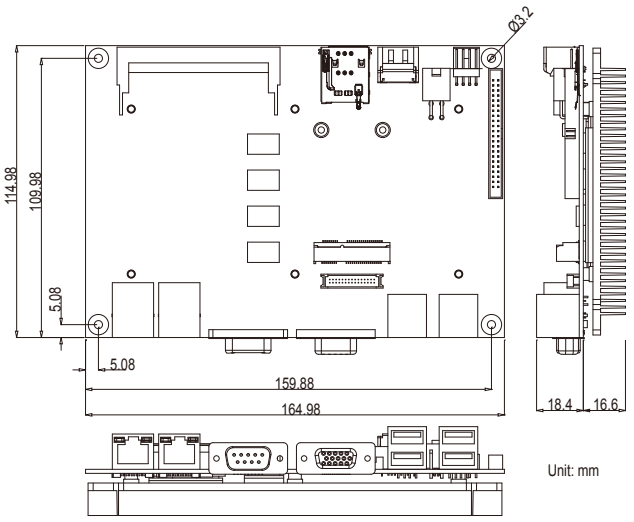
Features

- Soldered onboard Intel® Atom™ Processor N455
- Soldered onboard 2GB DDR3 Memory
- Dual Gigabit Ethernet Ports
- Analog RGB and Single Channel 18-bit LVDS Display
- Dual Independent Displays supported
- Integrated SIM Socket for mobile telecommunication
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System	
Processor	Soldered onboard Intel® Atom™ Processor N455 1.66GHz
Chipset	Intel® ICH8M
Memory	Soldered Onboard 2GB DDR3 SDRAM
BIOS	AMI BIOS
Watchdog Timer	1~255 levels reset
I/O	
Super IO Chipset	Winbond W83627HG
Serial Port	4 x RS-232
	1 x RS-232/422/485 selectable
Keyboard & Mouse	6-pin wafer connector for PS/2 keyboard/ mouse via Y-cable
USB 2.0	8 x USB 2.0 ports
Expansion	1 x Mini-PCI Socket
	1 x Mini-Card Socket
	1 x SIM Socket
Storage	2 x Serial ATA ports with 300MB/s HDD transfer rate
	1 x Ultra ATA, supporting 2 IDE devices
	2GB NANDrive (OEM request)
Ethernet Chipset	2 x Realtek® RTL8111 PCIe GbE controllers
Digital I/O	8-bit Programmable
Audio Interface	Realtek® ALC886 7.1 Channel HD Audio CODEC, Mic-in/ Line-in/ Line-out
Display	
Graphic Chipset	Integrated Intel® GMA 3150
Graphic Interface	Analog RGB, with resolutino up to 1400x1050 (N455)
	LVDS: Single Channel 18-bit LVDS, with resolution up to 1366x768
OS Support	
Windows XP Windows 7	

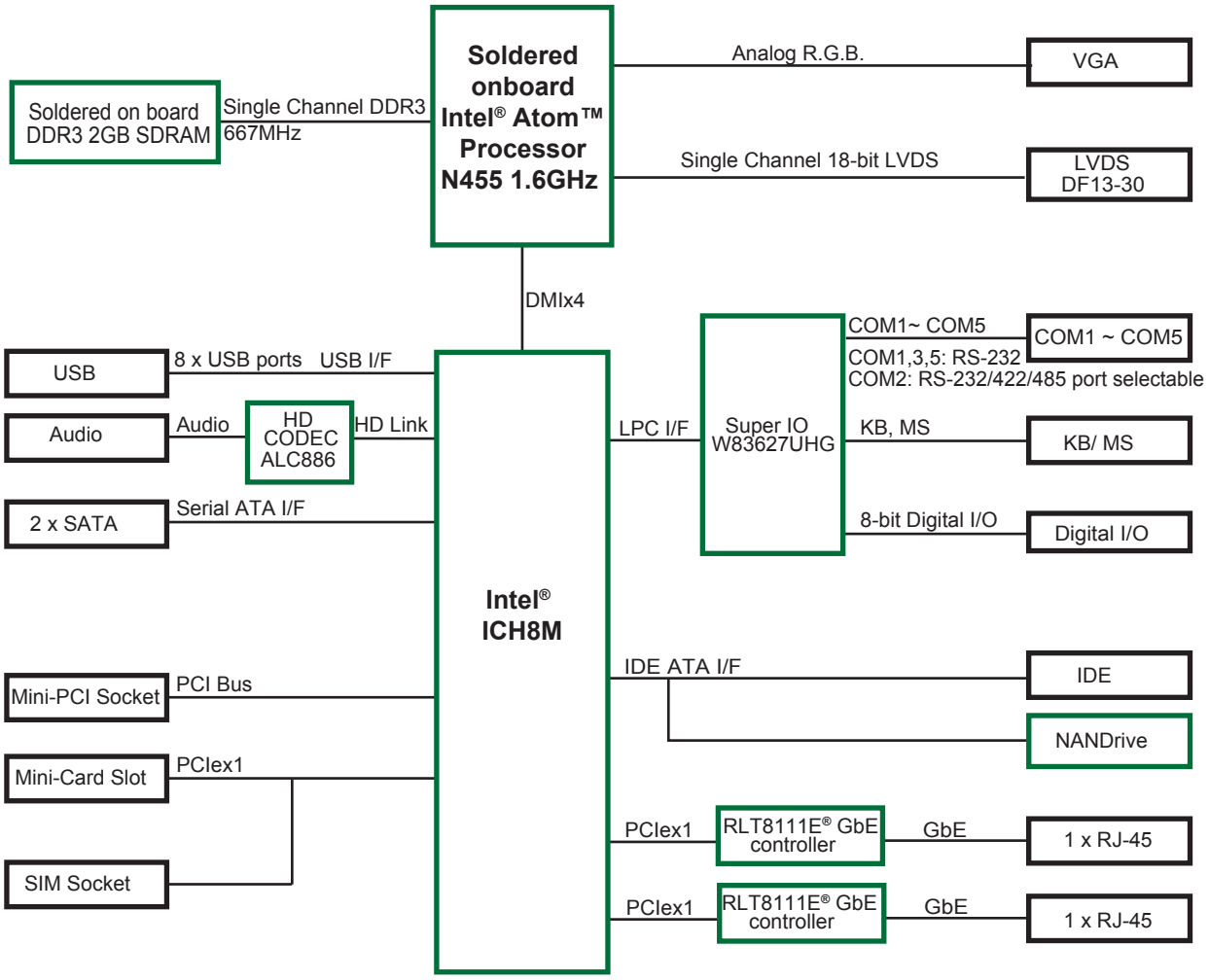
Mechanical & Environmental	
Power Input	DC 12V
Power Consumption	1.29A@+12V with N455 (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimension (L x W)	165 x 115 mm (6.5" x 4.53")

Dimensions



Mainboard & Chassis

Block Diagram



Ordering Information

EPIC-747E (BTO)	Intel® Atom™ Processor N450/ ICH8M WT EPIC compact board

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 Serial port cables 1 x KB/MS Y-cable