

Wide-Range Temperature Intel® Atom™ Processor E3800 family COM Express® Mini Type 10 CPU Module



Features

- Soldered onboard Intel® Atom™ Processor E3800 family
- Integrated Gigabit Ethernet
- 1 x DDI port, 1 x LVDS port
- 1 x USB 3.0 port, 8 x USB 2.0 ports, 1 x Serial port
- Support Dual Independent Displays
- **Wide-Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard Intel® Atom™ Processor E3825 dual-core 1.33GHz or E3845 quad-core 1.91GHz
Memory	Soldered onboard 2GB DDR3L SDRAM
BIOS	Insyde UEFI BIOS

I/O

USB Port	8 x USB 2.0 ports, 1 x USB 3.0 port
Serial Port	1 x Serial Port (TX/RX only)
Expansion Bus	3 x PCIe x1 Gen2 lanes
	SPI, and LPC (Low Pin Count) interface
Storage	2 x Serial ATA ports
Ethernet Chipset	1 x Intel® i210IT PCIe GbE controller
SDIO	Supports SDIO
I2C	Supports I2C
Audio/ Interface	HD Audio link

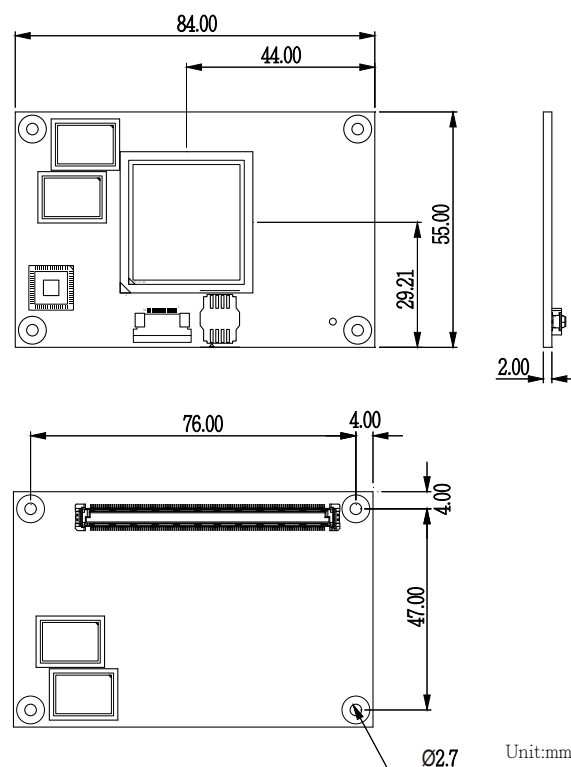
Display

Graphics Chipset	Integrated Intel® Gen 7 Graphics
Graphics Interface	Analog RGB supports by FPC connector (Optional) 1 x DDI port 1 x Single Channel 24-bit LVDS port

Mechanical & Environmental

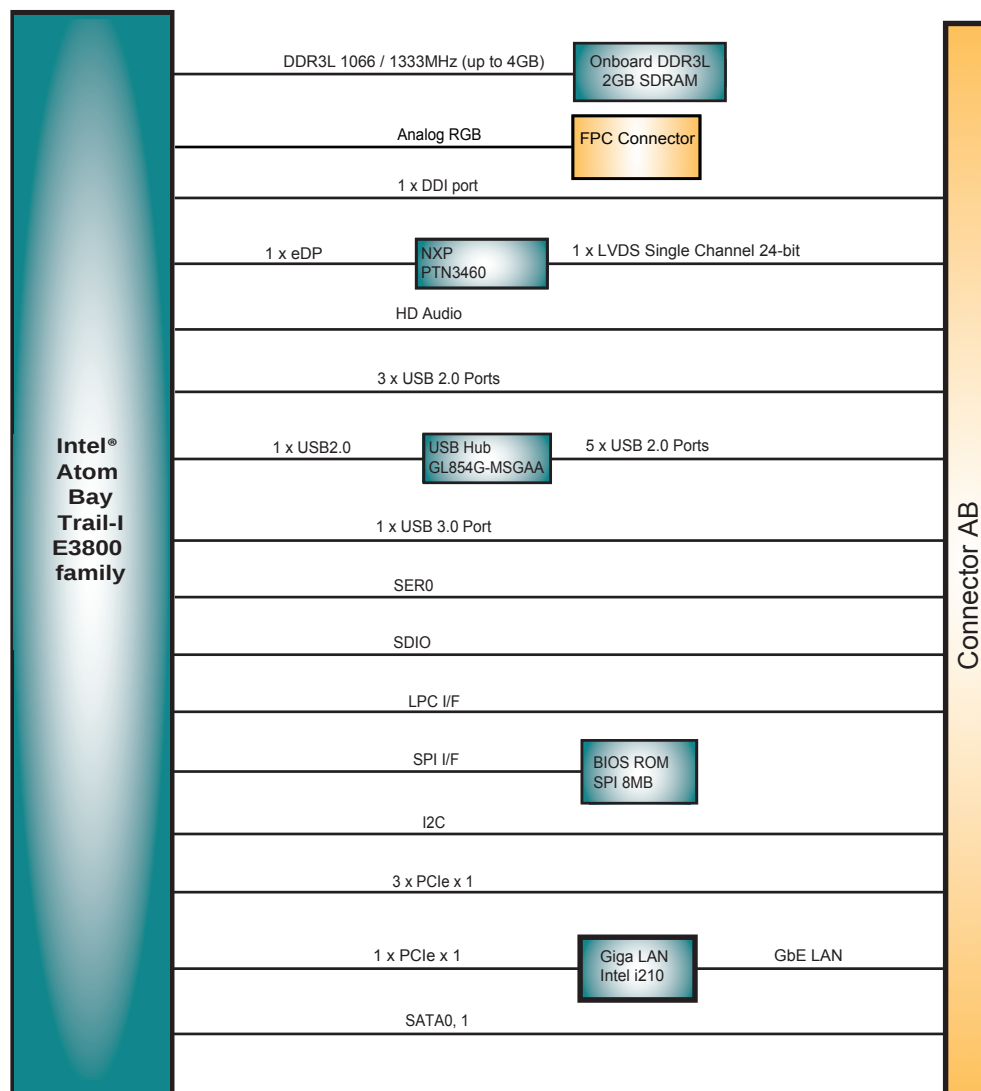
Power Requirement	+12V or +5V (BOM Optional)
Power Consumption	1.05A@+12V with E3825 (Typical)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimensions (L x W)	84 x 55 mm (3.30" x 2.17")

Dimensions





Block Diagram



Ordering Information

NAO-660E-E3825	Intel® Atom™ Processor E3825 WT COM Express Type 10 CPU module
NAO-660E-E3845	Intel® Atom™ Processor E3845 WT COM Express Type 10 CPU module

Optional Accessories

HS-0660-F1	Heat spreader
PBN-9007	COM Express® Mini evaluation carrier board (EPIC form factor)
CBK-05-9007-00	Cable Kit 1 x USB cable 1 x serial port cable 1 x SATA cable 1 x SATA power cable 1 x PS/2 cable