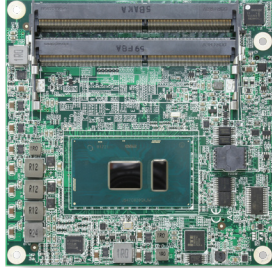


EmETXe-i90U0

7th Generation Intel® Core™ i7-7600U/i5-7300U Processor COM Express® Compact Type 6 CPU Module



Features

- Soldered onboard 7th Generation Intel® Core™ i7-7600U/i5-7300U processor
- Intel® I219LM PCIe GbE PHY
- Dual Channels 24-bit LVDS and 2 x DDI ports
- Support 3 independent displays
- 8.5V~20V Wide Range Voltage Input
- **Wide Range Operating Temp.: -40 ~ 85°C**

System

CPU	Soldered onboard 7 th Generation Intel® Core™ i7-7600U 3.9GHz/i5-7300U 3.5GHz processor
Memory	2 x DDR4 SO-DIMM sockets
BIOS	AMI UEFI BIOS
Watchdog Timer	1~255 levels reset

I/O

USB Port	12 x USB ports: - 8 x USB 2.0 ports - 4 x USB SuperSpeed ports
Serial Port	2 x UART ports (RX/TX only)
Expansion Bus	8 x PCIe1 lanes, I2C Interface
Digital I/O	8-bit Digital Input/Output
Storage	2 x Serial ATA ports Soldered onboard eMMC 5.0 up to 32GB (OEM Request)
Ethernet Chipset	1 x Intel® i219LM PCIe GbE PHY
Audio	HD audio link
TPM	Supports TPM (OEM Request)

Display

Graphic Chipset	Intergrated Intel® HD Graphics 620
Graphic Interface	LCD: Dual Channels 24-bit LVDS 2 x DDI ports

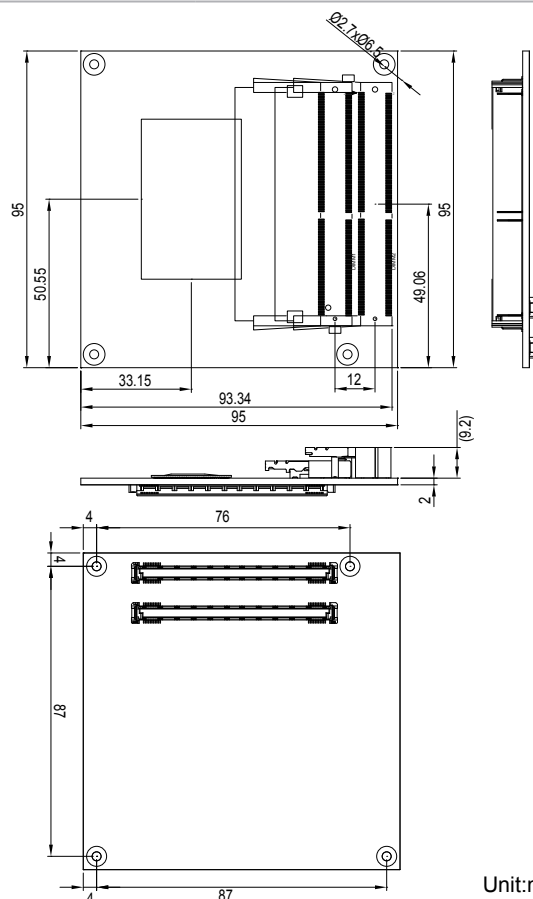
OS support

Windows 10 64-bit	
Linux: Ubuntu	

Mechanical & Environmental

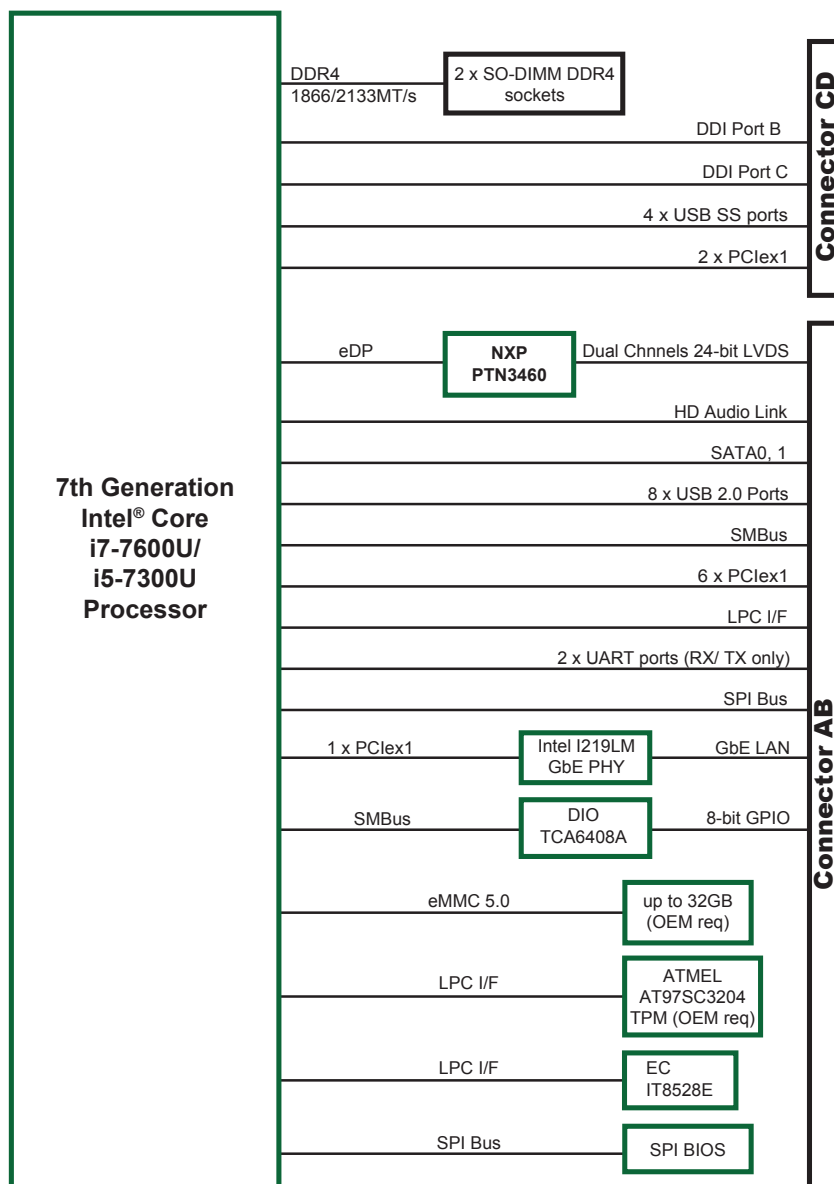
Power Requirement	8.5V~20V +/- 5% wide range voltage input, +5VSB
Power Consumption	2.08A@12V(Typical with i5-7300U)
Operating Temp.	-40 ~ 85°C (-40 ~ 185°F) For EmETXe-i90U0 Series
Operating Humidity	10 ~ 95% @ 85°C (non-condensing)
Dimensions (L x W)	95 x 95 mm (3.7" x 3.7")

Dimensions



Unit:mm

Block Diagram



Ordering Information

EmETXe-i90U0-WT-7300U	7 th Generation Intel® Core™ i5-7300U WT COM Express® Compact Type 6 CPU module-
EmETXe-i90U0-WT-7600U	7 th Generation Intel® Core™ i7-7600U WT COM Express® Compact Type 6 CPU module
EmETXe-i90U0D-7300U	7 th Generation Intel® Core™ i5-7300U COM Express® Compact Type 6 CPU module,w/ 32GB eMMC,-20~85°C(OEM Request)
EmETXe-i90U0D-7600U	7 th Generation Intel® Core™ i7-7600U COM Express® Compact Type 6 CPU module,w/ 32GB eMMC,-20~85°C(OEM Request)

Optional Accessories

HS-89U0-F2-T	Heat spreader, threaded standoffs (bore hole) (95x95x11mm)
HS-89U0-F2-NT	Heat spreader, non-threaded standoffs (bore hole) (95x95x11mm)
HS-89U0-C1	Heat sink with Fan (95x95x28.5mm)
PBE-1705-F1	COM Express® Type 6 evaluation carrier board with SIO F71869ED module in ATX form factor
CBK-03-1705-00	Cable kit
	1 x SATA cable 2 x Serial port cables