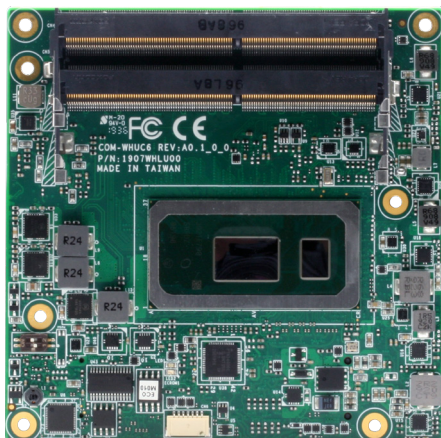


Motherboard

COM-WHUC6

COM Express Compact Type 6 with 8th Gen Intel® Core™ ULT SoC



Features

- 8th Generation Intel® Core™/ULT Processor
- DDR4 socket x 2, non-ECC Support up to 64GB
- Gigabit Ethernet x 1
- VGA, 18/24b 2ch LVDS LCDs or eDP, DDIx2 (DDI2 share with VGA)
- High Definition Audio Interface
- SATA3 x 2, eMMC onboard (up to 64GB)
- USB 3.2 Gen 2 x 4, USB2.0 x 8
- PCI-Express [x1] x 8 lanes available, 5 Devices max.
- GPIO x8, SMBus, I2C, LPC
- COM Express Type 6, Compact size, 95mm x 95mm

Specifications

SYSTEM

Form Factor	COM Express Compact size, 95mm x 95mm
CPU	8th Generation Intel® Core™ ULT Series Processor
Chipset	Onboard 8th Generation Intel® Core™ SoC
Memory Type	SO-DIMM DDR4 2400 Socket x2
Max. Memory Capacity	Up to 64GB
BIOS	AMI BIOS, Legacy free BIOS
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	Standard: +12V
Power Supply Type	AT/ ATX Mode
Power Consumption (Typical)	12V, estimate 18W with i7-8655UE @ 100% loading
Dimension (L x W)	3.75" x 3.75" (95mm x 95mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 81°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Certification	CE/FCC Class A

DISPLAY

VGA/LCD Controller	Intel® UHD Graphics 620 / 610
Video Output	DDI0: LVDS, (eDP by BOM change) DDI1: Display Port DDI2: Default VGA, (DP by SW1&2 selected)
LVDS Interface	Support 18-bit and 24-bit dual channel

I/O

Ethernet	Intel® I219 GbE x 1
Audio	HD Audio x 1
USB Port	USB 2.0 x 8, USB 3.2 Gen 2 x 4
Serial Port	2-wire UART x 2 (TX/RX)
HDD Interface	SATA3 x 2 as default (up to 3)
Onboard Storage	eMMC x 1 (up to 64GB)
Expansion Slot	PCIe[x1] x 4 + PCIe[x4] x 1 (default), I2C, LPC, SMBus
GPIO	8 Bit

Order information

- **COM-WHUC6-A10-0001**
COMe T6.i7-8665UE 4c/8t 1.7GHz.2xDDR4 skt.DDI.GbE. PCIe.64GB eMMC.Rev A1.0
- **COM-WHUC6-A10-0002**
COMe T6.i5-8365UE 4c/8t 1.6GHz.2xDDR4 skt.DDI.GbE. PCIe.64GB eMMC.Rev A1.0

Optional Accessories

- **ECB-920A-A11-0001**
COMe T6/10.Carrier Board.ATX.GbE.8USB, 2COM.4SATA.PCIe.AT/ATX Rev A1.1
- **COM-WHUC6-HSP01**
Heat Spreader, 95 x 95 x 11mm, Black, COM-WHUC6
- **COM-WHUC6-FAN01**
CPU Cooler, 95 x 95 x 36mm, Silver, FAN + Heat Sink for COM-WHUC6
- **COM-FAN02**
CPU Cooler, 95 x 95 x 26.5mm, Silver, use w/HSP