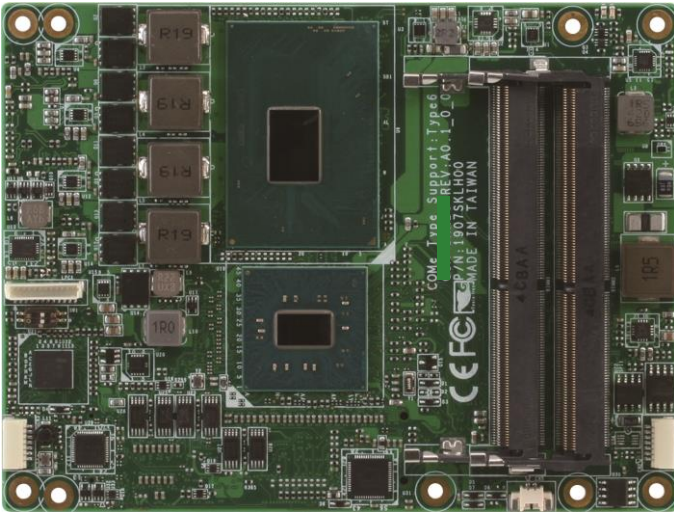


COM-CFHB6

Preliminary

COM Express Type 6 with 8th Gen Intel^(R) Core™ CPU [Formerly Codename Coffee lake]



Features

- Intel® Core™ series SOC i7-8xxx series.
- DDR4 socket x2
- Gigabit Ethernet x 1
- VGA, 18/24b 2ch LVDS LCDs/eDP, DDIx2
- High Definition Audio Interface
- SATA x 4
- USB3.0/2.0 x4, USB2.0 x4
- PCI-Express [x1] x 8, PEG
- GPIO x8, SMBus, I2C, LPC
- COM Express Basic size, type 6, 125mmx95mm

Specifications

System	
Form Factor	COM Express Basic size 125mmx95mm
Processor	8th Gen Intel® Core series CPU XEON E series CPU.
System Memory	DDR4 Socket x2, up to 32GB
Chipset	Intel® 300 series PCH
Ethernet	Intel® I219 GbE
BIOS	AMI BIOS, Legacy free BIOS
Wake on LAN	Yes
Watchdog Timer	ITE IT8528VG
H/W Status Monitoring	Support CPU temperature monitoring
Expansion Interface	PCIe [x1] x8 PCIe[x16] x1 (PEG port) I2C, LPC, SMBus
Power Requirement	Normal: +12V
Power Consumption	CPU 45W max TDP
Board Size	125mm x 95mm
Operation Temperature	32°F ~ 140°F (0°C ~ 60°C) -20°C ~ 70°C by screening
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF	80,000
Display	
Graphic Engine	GT2 – P630
Display Interface	VGA, DDI x2. 18/24b 2ch LVDS/eDP
I/O	
Storage	SATA x4
USB	USB3.0 x 4 USB2.0 x 8

Audio	HD Audio x 1
GPIO	8 bit,
Serial Port	2-wire UART x 2 (TX/RX)

Packing List

COM-SKHB6

DVD

Screws

Ordering Information

COM-CFHB6-A10-0001

COM Exp. T6. i7-8xxx. DDR4 skt x2.
LVDS.DDI.GbE.SATA.USB3.PCIe RevA1.0

Optional accessory

ECB-920-A10-0001

COMe Type 1/6/10.Carrier Board.ATX.GbE.8USB,
2COM.4SATA.PCIe.AT/ATX.Legacy Free.Rev. A1.0

COM-SKHB6-HSP01

Heat Spreader.125*95.Black.COM-SKHB6

COM-FAN01

CPU Cooler.125*95.Silver.use w/HSP