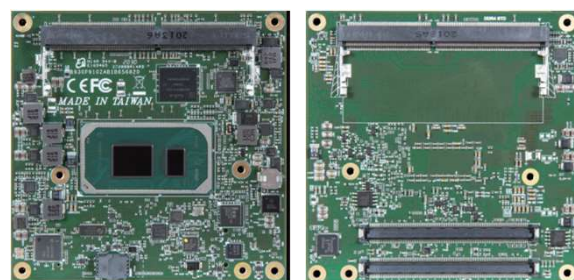


WKLC6-IM-A

With 8th Gen. Intel® Core™ i3/i5/i7/Celeron CPU, 2*SO-DIMM, Dual Channel LVDS/eDP/DP/VGA/HDMI, PCIe 1, PCIe 4, USB 3.2/2.0, and SATA III

Features

- Intel® Core™ i3/i5/i7/Celeron® Processors (Whiskey Lake U)
- 2xDDR4-2400 Non-ECC SO-DIMMs, up to 32G
- 8x USB2.0, 4xUSB3.2, 5x PCIe 3.0 x 1 and 2x SATAIII
- VGA, LVDS/eDP, HDMI and Display port
- Normal : +12V (wide range input : 6V - 18V), AT/ATX Mode Support



Specifications

Processor System	Processor	Intel® Celeron®	Intel® Core™	Intel® Core™	Intel® Core™
		4305UE	i3-8145UE	i5-8365UE	i7-8665UE
	Core	2	2	4	4
	Base Freq.	2.0 GHz	2.2 GHz	1.6 GHz	1.7 GHz
	Turbo	N/A	3.9 GHz	4.1 GHz	4.4 GHz
	Cache	2MB	4MB	6MB	8MB
	Processor Graphics	Intel® UHD Graphics 610	Intel® UHD Graphics 620	Intel® UHD Graphics 620	Intel® UHD Graphics 620
	Graphics Max Dynamic Frequency	1.0 GHz	1.0 GHz	1.05 GHz	1.15 GHz
	HW Decoding	H.264 AVC, VC1, MPEG2, VP8/9, JPEG			
	Processor TDP	15W	15W	15W	15W
	Chipset	N/A	N/A	N/A	N/A
Memory	Technology	DDR4 2400MT/s, non-ECC support			
	Max.	Up to 32GB			
	Socket	2 x SO-DIMM			
Display	HDMI	up to 4096x 2160 @ 24Hz			
	Display Port	up to 3840x 2160 @ 24Hz			
	LVDS	Dual Channel, 24bit, up to 2560x 1600 @ 60Hz			
	eDP	up to 4096x 2304 @ 24Hz			
	VGA	up to 2560x 1600 @ 60Hz			
Expansion Slot	PEG	4x PCIe 3.0 x 1			
	PCIe	5x PCIe 3.0 x 1, 1x PCIe 3.0 x 1(Option)			
Ethernet	Connector	Intel® Ethernet Controller I219LM GbE			
Audio	Interface	Intel HD Audio			
Serial Bus	SMBus	Yes, Baud Rate : 100KHz			
	I2C	Yes, Baud Rate : 400KHz			
	UART	2 Ports (TX/RX)			
I/O	SATA	2 x SATA III			
	USB3.2 Gen2	4x USB 3.2 Gen2			
	USB2.0	8x USB 2.0			
	GPIO	4x GPI & 4x GPO			
	SPI Bus	For BIOS EEPROM/ option TPM			
	Watchdog	Support			
	Security	TPM 2.0, Intel®AES			
Power	Type & Voltage	Normal : +12V (wide range input : 6V - 18V), AT/ATX Mode Support			
Environment	Operating Temperature	0°C to 60°C			
	Storage Temperature	-40°C to 85°C			
OS	Windows	Windows 10 support			
	Linux	Linux Fedora 22/ Ubuntu 15.04			
Mechanical	Dimension	95 x 95 mm			

Block Diagram

