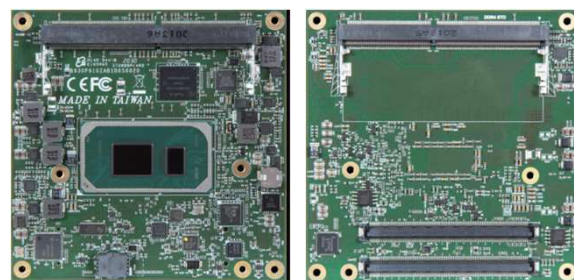


TGLC6-IM-A

With 11th Gen. Intel® Core™ i3/i5/i7/Celeron CPU, 2*SO-DIMM, Dual Channel LVDS/eDP/DP/HDMI/VGA, 1* PCIe x4, 1* PCIe x1, 12* USB 3.2/2.0, 2* SATA III

Features

- 11th Gen Intel® Core™ i3/i5/i7/Celeron® Processors (Tiger Lake UP3)
- 2x DDR4-3200 Non-ECC SO-DIMMs, up to 64GB
- Four independent displays: DisplayPort, HDMI, VGA, and LVDS/eDP
- Optional Industrial SKU: -40°C to 85°C



Specifications

Processor System	Processor	Intel® Core™ i7-1185G7E i7-1185GRE	Intel® Core™ i5-1145G7E i5-1145GRE	Intel® Core™ i3-1115G4E i3-1115GRE	Intel® Celeron® 6305E
	Core	4	4	2	2
	Base Freq. @ TDP/cTDP	2.8/1.8/1.2 GHz	2.6/1.5/1.1 GHz	3.0/2.2/1.7 GHz	1.80 GHz
	Turbo	4.4 GHz	4.1 GHz	3.9 GHz	N/A
	Cache	12MB	8MB	6MB	4MB
	Processor Graphics	Iris® Xe Graphics	Iris® Xe Graphics	Iris® Xe Graphics	UHD Graphics
	Graphics Max Dynamic Frequency	1.35 GHz	1.30 GHz	1.25 GHz	1.25 GHz
	HW Decoding	AV1, VP9 8/10/12 bit, H.265/HEVC 8/10/12 bit, H.264/AVC, MPEG2			
	Processor TDP/cTDP	28/15/12W	28/15/12W	28/15/12W	15W
	Chipset	N/A	N/A	N/A	N/A
Memory	Technology	DDR4 3200MHz, In-Band ECC support for Industrial SKUs			
	Max.	Up to 64GB			
	Socket	2 x SO-DIMM			
Display	HDMI	Up to 4096x2304 @ 60Hz 24 bpp			
	Display Port	DP1.4 Up to 5120x3200 @ 60Hz 24 bpp			
	LVDS	Dual Channel, 24bit, Up to 1920x1200 @ 60Hz			
	eDP	Up to 4096x2304 @ 60Hz 24 bpp			
	VGA	Up to 1920x1200 @ 60Hz			
Expansion Slot	PEG	1 x PCIe 4.0x4			
	PCIe x4	1 x PCIe 3.0x4 (configurable to 2 x PCIe x2/ 4 x PCIe x1/ 1 x PCIe x2 + 2 x PCIe x1)			
	PCIe x1	1 x PCIe 3.0x1			
Ethernet	Connector	Intel® I225IT, Up to 2.5GbE			
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	4 Ports (10 Gbps)			
	USB2.0	8 Ports (480 Mbps)			
	GPIO	4x GPI & 4x GPO			
	SPI Bus	For BIOS EEPROM			
	Watchdog	Support			
	TPM	TPM 2.0 (Infineon SLB9670)			
Power	Type & Voltage	ATX: +12V, +5VSB ; AT: +12V			
Environment	Operating Temperature	0°C to 60°C (Optional Industrial SKU: -40°C to 85°C)			
	Storage Temperature	-40°C to 85°C			
OS	Windows	Windows 10 support			
	Linux	Red Hat, Ubuntu, CentOS support			
Mechanical	Dimension	95 x 95 mm			

Block Diagram

