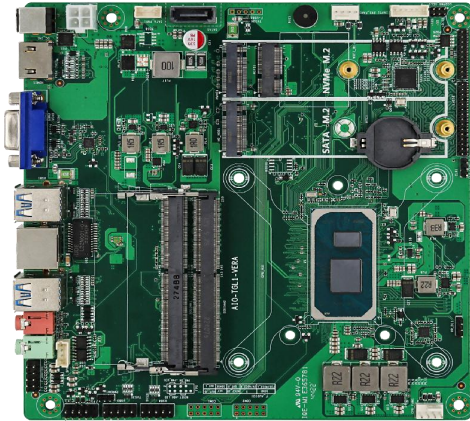


AIO-TGL1

Intel 11th SOC 17*17



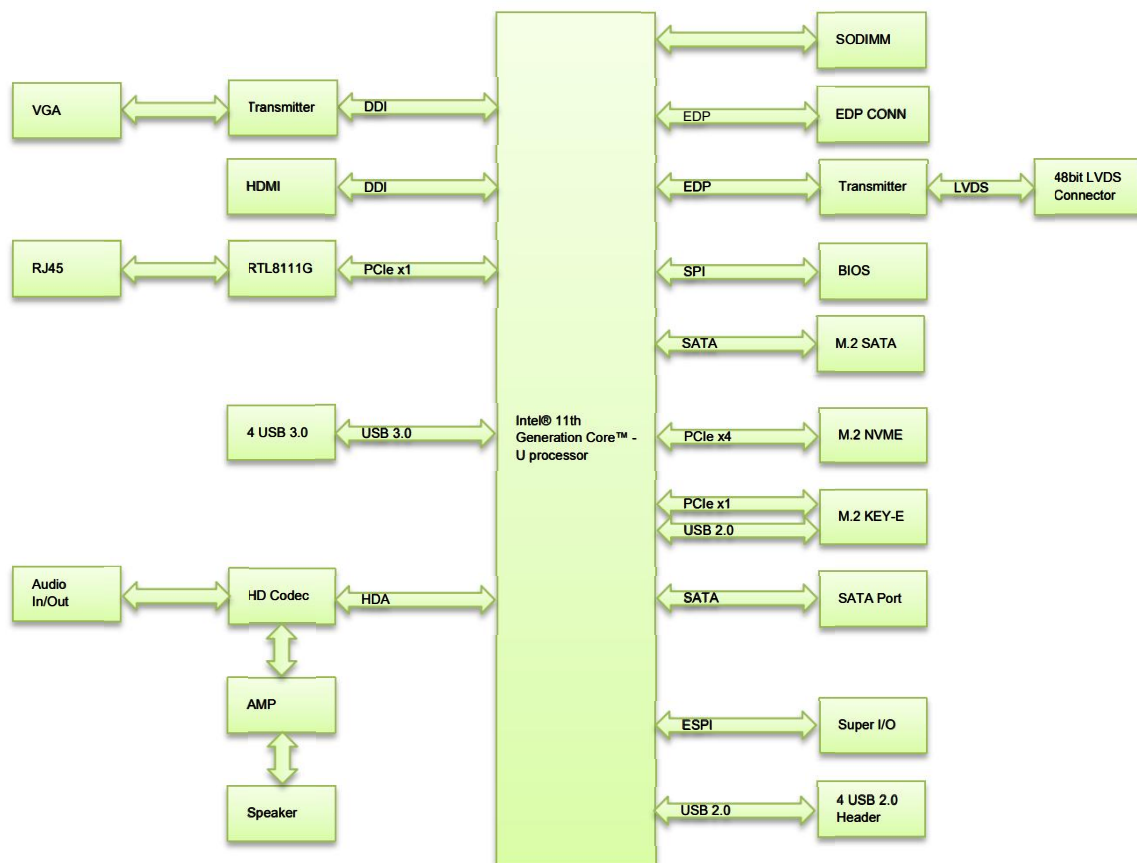
Features

- 11th Generation Intel® Core™ SOC processor
- DDR4 Sodimm *2
- 2 * M.2 2280
- 1 * Gbe
- VGA + HDMI + LVDS(EDP)
- 2 * UART

Specifications

Processor System	CPU	Intel Core™ i5-1135G7	Intel Core™ i7-1165G7	Intel Core™ i5-11300H	Intel Core™ i7-11370H
	Base Frequency	2.4 Ghz(Qaud Core)	2.8 Ghz(Qaud Core)	3.1 Ghz(Qaud Core)	3.3 Ghz(Qaud Core)
	Max Turbo Frequency	4.2 Ghz	4.7 Ghz	4.4 Ghz	4.8 Ghz
	Smart Cache	8 MB	12 MB	8 MB	12 MB
	BIOS	AMI UEFI 128 Mbit			
Memory	Technology	DDR4 3200 MHz SODIMM			
	Max. Capacity	64GB			
Display	Controller	Intel® Iris® Xe Graphics			
	Processor Graphics	DirectX 12.1, OpenGL 4.6, Open CL 3.0 HEVC/H265, AVC/H264, MPEG2, AV1, WMV9, JPEG/MJPEG and VP9 HW Decode			
	VGA	2048x1536 @ 60Hz			
	LVDS	LVDS with 3.3V, 5V and 12V on LCD VDD power, 5V and 12V support on LVDS inverter Dual channel 24-bit LVDS, max resolution up to 1920 x 1200 at 60Hz			
	eDP	eDP with 3.3V, 5V and 12V on LCD VDD power, 5V and 12V support on LVDS inverter max resolution up to 4096x2304 at 60Hz			
	HDMI	Supports HDMI 1.4, 1920x1080 @ 60 Hz			
Ethernet	Multi-Display	VGA + HDMI, VGA + LVDS(eDP), HDMI + LVDS(eDP)			
	Speed	10/100/1000Mbps			
	Controller	1 Realtek 8111G/H			
Audio	Connector	1 RJ45 on Rear I/O			
	Codec	High Definition Audio (HDA), HP out, Mic-in			
Storage	Amplifier	Dual 3W 4Ohm F-Class Speaker			
	WatchDog Timer	Output System reset, Programmable counter from 1 ~ 65535 minutes/ seconds			
	SATA	1, up to 6.0 Gb/s (300 MB/s)			
Rear I/O	M.2 SATA	1, M.2 SATA 2280			
	M.2 NVME	1, M.2 NVME 2280			
	Ethernet	1			
	HDMI	1			
	VGA	1			
	USB 3.0	4			
Internal I/O	DC Jack	1			
	AUDIO	2			
	SATA	1			
	USB 2.0 HEADER	4			
	M.2 WIFI	1			
Power	LVDS / eDP	1			
	UART	2			
	Power Type	Single 12V-19V DC power input			
	Power Supply Voltage	Supports single 12V-19V input, ± 10%			
Environment	Power Management	ACPI			
	Battery	Lithium 3 V / 225 mAH			
Physical Characteristics	Operating	-20 °C ~ 60 °C (Operating humidity: 40 °C @ 95% RH Non-Condensing)			
	Non-Operating	-40 °C ~ 85 °C and 60 °C @ 95% RH Non-Condensing			
	Dimensions (L x W)	170 * 170 mm			
	Weight	0.3kg			
	Height	Top Side: 16 mm; Bottom Side: 2 mm; PCB: 1.6 mm			

Block Diagram



Ordering Information

Part No.	CPU	Memory	VGA	HDMI	LVDS	eDP	NVME	SATA	USB3.0	USB2.0	GbE	HDA	Operating Temp.
AIO-TGL1-1035G7	i5-1035G7	SODIMM	1	1	48 bit	1	1	1	4	4	1	1	-20 °C ~ 60 °C
AIO-TGL1-1065G7	i7-1065G7	SODIMM	1	1	48 bit	1	1	1	4	4	1	1	-20 °C ~ 60 °C
AIO-TGL1-11300H	i5-11300H	SODIMM	1	1	48 bit	1	1	1	4	4	1	1	-20 °C ~ 60 °C
AIO-TGL1-11370H	i7-11370H	SODIMM	1	1	48 bit	1	1	1	4	4	1	1	-20 °C ~ 60 °C

Rear I/O View

