



PC612

ALDER LAKE OPS WITH MOBILE CPU



Intel® Alder Lake-U/P
12th Gen. processors



JAE support HDMI/DP output
1 x HDMI (4096 x 2160 @60 Hz)



Support Wi-Fi/BT module



Optional Intel® vPro® technology

CPU

CPU	Intel® Core™ i3-1215U processor Intel® Core™ i5-1235U processor Intel® Core™ i7-1255U processor
Efficient Frequency	3.30 GHz/3.30 GHz/3.50 GHz
Performance Frequency	4.40 GHz/4.40 GHz/4.70 GHz
Chipset	SoC
Processing Units	6 Cores/10 Cores/10 Cores
TDP	15 W

System

System Memory	Up to 32GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2242/2280) for SSD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC jack/80pin JAE DC-IN, 12 V~19 V
Dimensions	200 mm x 119 mm x 30 mm (7.87" x 4.69" x 1.18")
Construction	Metal, Black
Operating System	Windows 10 (64bit) /Windows 11 (64bit) Linux Ubuntu (64bit)
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B

Network

Network Controller	1 x Intel® i219LM Gigabit Ethernet
Ethernet Interface	1 x RJ45
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5, Wi-Fi 6 (CNVi)
Mobile Network	NA

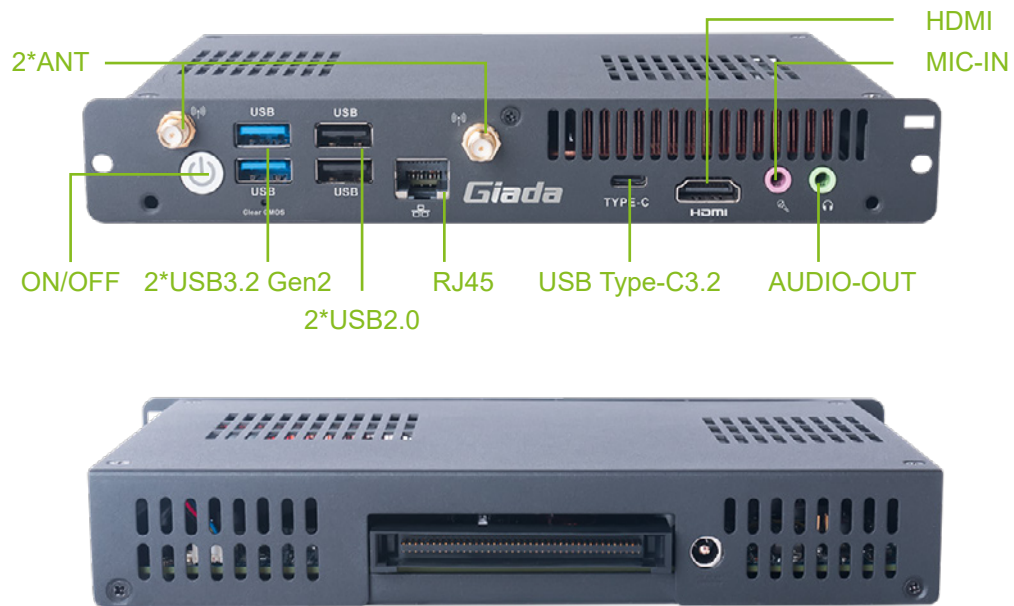
Display

GPU	Intel® UHD Graphics (Core™ i3 processor) Intel® Iris® Xe Graphics (Core™ i5/i7 processor)
Graphic Engine	DirectX12.1, OpenGL4.6, OpenCL3.0 Intel® Quick Sync Video
Display Interface	1 x HDMI (Max.4096 x 2160 @60 Hz)
JAE Interface	DP/HDMI (Max. 7680 x 4320 @60Hz)

I/O interface

USB	1 x USB Type-C3.2 Gen2, 2 x USB3.2 Gen2, 2 x USB2.0
Serial Port	NA
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT

Dimensions and Drawing



Order information

PC612-1215U40N0G-GIA	CPU: Intel® Core™ i3-1215U
PC612-1235U40N0G-GIA	CPU: Intel® Core™ i5-1235U
PC612-1255U40N0G-GIA	CPU: Intel® Core™ i7-1255U
Packing List	2 x Wi-Fi Antenna
Package	Carton, EPE

Optional items

Wi-Fi/BT Module	Intel® Dual Band Wireless-AC 3165, Intel® Dual Band Wireless-AC 9260, Intel® Wi-Fi 6E AX200, Intel® Wi-Fi 6E AX210 (Gig+)
Operating System License	Windows 10 (64bit), Windows 11 (64bit)