

**Giada**

Imagine More with AI PC



**N601**

**INTEL METEOR LAKE AI PC**



Intel® Meteor Lake  
Ultra processors



Intel® AI Boost NPU  
Max frequency 1.4 GHz



1 x HDMI (4096 x 2304 @60 Hz)  
1 x DP (7680 x 4320 @60 Hz)



Thunderbolt 4



Support Wi-Fi 7

**CPU**

<b>CPU</b>	Intel® Core™ Ultra 5 processor 125H Intel® Core™ Ultra 7 processor 155H
<b>Max Turbo Frequency</b>	4.50 GHz /4.80 GHz
<b>Chipset</b>	SoC
<b>Processing Units</b>	14 Cores /16 Cores
<b>Base Power</b>	28 W /28 W
<b>NPU</b>	Intel AI Boost, 1.4 GHz
<b>Frameworks Supported</b>	OpenVINO™, WindowsML, DirectML, ONNX RT, WebGPU

**System**

<b>System Memory</b>	Up to 96 GB, 2 x SO-DIMM DDR5-5600 MHz
<b>Storage</b>	1 x M-Key M.2 (2280) PCIe4.0 X4 for SSD 1 x M-Key M.2 (2280) PCIe4.0 X1 for SSD 1 x 2.5" SATAIII
<b>TPM</b>	Optional: TPM2.0
<b>Watchdog Timer</b>	Yes
<b>Auto Power On</b>	Yes
<b>RTC</b>	Set up independently every day, a week as a cycle
<b>Power Requirement</b>	DC-IN, 19 V/4.74 A
<b>Dimensions</b>	126 mm x 117 mm x 50 mm (4.96" x 4.60" x 1.97")
<b>Construction</b>	Metal, Black
<b>Operating System</b>	Windows 11 (64bit) /Linux Ubuntu (64bit)
<b>Operating Temperature</b>	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
<b>Humidity</b>	10 ~ 90% @ 45°C (non-condensing)
<b>Certifications</b>	CE, FCC Class B, UKCA

**Network**

<b>Network Controller</b>	1 x Intel i226-V Gigabit Ethernet
<b>Ethernet Interface</b>	1 x 2.5 GbE RJ45
<b>Wi-Fi/BT</b>	1 x E-Key M.2(2230) for Wi-Fi/BT Support Wi-Fi 6, Wi-Fi 6E (CNVi), Wi-Fi 7
<b>Mobile Network</b>	NA

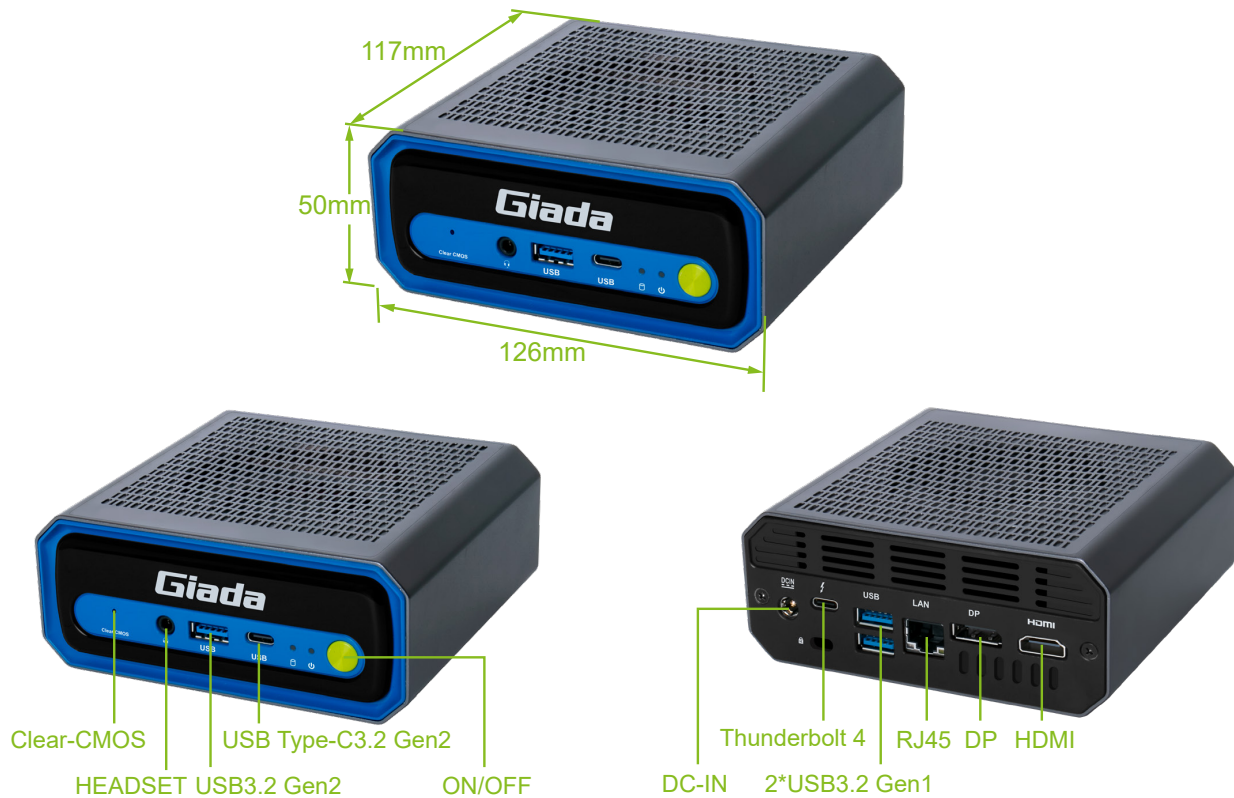
**Display**

<b>GPU</b>	Intel® Arc™ graphics
<b>Graphic Engine</b>	DirectX 12.2, OpenGL 4.6, OpenCL 3.0, H.264 /H.265 /AV1 Hardware Encode /Decode, VP9 Bitstream & Decoding
<b>Display Interface</b>	1 x HDMI (Max.4096 x 2304 @60Hz) 1 x DP1.4 (Max.7680 x 4320 @60Hz)
<b>Multi-display</b>	Quad 4K@60Hz (2 via Thunderbolt 4 + 2 via HDMI/DP) Dual 8K@60Hz (1 via Thunderbolt 4 + 1 via DP1.4)

**I/O interface**

<b>USB</b>	1 x USB Type-C3.2 Gen2, 1 x USB3.2 Gen 2, 2 x USB 3.2 Gen 1, 1 x Thunderbolt 4
<b>Serial Port</b>	NA
<b>Audio</b>	1 x 2-in-1 Headset (MIC-IN & AUDIO-OUT)
<b>Button</b>	1 x Power on, 1 x CLR-CMOS
<b>Antenna</b>	2 x Internal Wi-Fi Antenna

## Dimensions and Drawing



## Order information

<b>N601-125H50N0G-GIA</b>	CPU: Intel® Core™ Ultra 5 processor 125H Memory: NA Storage: NA
<b>N601-155H50N0G-GIA</b>	CPU: Intel® Core™ Ultra 7 processor 155H Memory: NA Storage: NA
<b>Packing List</b>	1 x AC Power Cable, 1 x AC Power Adapter
<b>Package</b>	Carton, EPE

## Optional items

<b>VESA Mounting</b>	-
<b>Wi-Fi/BT Module</b>	<b>Wi-Fi 5 (802.11ac):</b> Intel® Wireless-AC 9260, Intel® Wireless-AC 9560 <b>Wi-Fi 6 (802.11ax):</b> Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6 AX201, <b>Wi-Fi 6E (802.11ax):</b> Intel® Wi-Fi 6E AX210
<b>Operating System License</b>	Windows 11 (64bit)



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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