

## Features

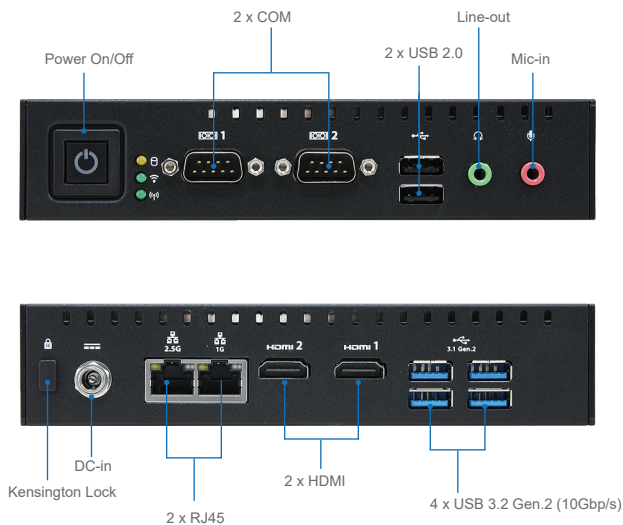
- 11th Gen Intel® Tiger Lake-U i7/i5/i3 Processor Onboard, supports extended temp.
- Intel® UHD Graphics
- Memory supports up to 32GB DDR4 3200MTs SDRAM
- Supports Dual Displays, 2 x HDMI 2.0b
- Dual Intel® Gigabit Ethernet: Intel® I225-LM 2.5GbE and Intel® I219-LM 1GbE
- 3 x M.2 Sockets: E/B/M-Key for Wi-Fi, LTE, SSD, and I/O modules
- 2 x COM Ports
- 4 x USB 3.2 Gen.2 (10Gbp/s) (Rear I/O) + 2 x USB 2.0 (Front I/O)
- Kensington Lock
- TPM 2.0
- IP40 Rating
- Mounting Kit: Table Stand, Din Rail Mount, or VESA Mount



## Specifications

System	
CPU	Intel® Core™ i7-1185G7E Processor Onboard Intel® Core™ i5-1145G7E Processor Onboard Intel® Core™ i3-1115G4E Processor Onboard
System Memory	1 x 260-pin SODIMM socket supports up to 32GB DDR4 3200MTs SDRAM
I/O Chipset	EC ITE IT5571VG-I-128/CX
BIOS	AMI BIOS, 128Mbit SPI Flash ROM
Expansions	1 x M.2 M-Key 2280 NVMe (Gen4 PCIe x4) 1 x M.2 B-Key 2242/3042/3052 with Internal SIM card slot (PCIe Gen3 x 2, SATA3, USB 2.0) 1 x M.2 E-Key 2230 (PCIe, USB 2.0)
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
TPM	TPM 2.0
Supported OS	Win 10, Win 11, Linux
Display	
Graphic Chipset	Intel® UHD Graphics
Resolution	2 x HDMI 2.0b: 4096x2304 @ 60Hz
Audio	
Codec	Realtek HD Audio
Ethernet	
Chipset	1 x Intel® I225-LM 10/100/1000/2.5 GbE Ethernet Controller 1 x Intel® I219-LM 10/100/1000 Gigabit Ethernet Controller
LAN Port	2 x RJ45

I/O - Front	
USB	2 x USB 2.0
COM Port	2 x RS232/422/485
Audio	1 x Line-out, 1 x Mic-in
Power Button	1 x Power On/Off w/LED
LED Indicators	1 x Data Access 1 x Wi-Fi 1 x LTE
I/O - Rear	
USB	4 x USB 3.2 Gen.2 (10Gbp/s)
HDMI	2 x HDMI 2.0b
LAN	2 x RJ45
DC-in	Lockable DC-in
Kensington Lock	1 x Kensington Lock
I/O - Right	
Antenna	2 x Antenna Mounting Holes with Dust Protection Covers
I/O - Left	
Antenna	2 x Antenna Mounting Holes with Dust Protection Covers



Back view with table stand kit.



Front view with table stand kit.

### Power Requirement

**Adapter** Input: 100 ~ 240Vdc/ 50 ~ 60Hz  
Output: 12V/5A AC-DC 60W Adapter

**Power Requirement** 12V DC-Input

**DC Input Connector** Lockable DC Jack

**ACPI** Single power ATX Support S0, S3, S4, S5  
ACPI 5.0 Compliant

### Mechanical and Environment

**Operating Temp** Extended Temp: 0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow

**Storage Temp** -30~70°C (-22°F ~ 158°F)

**Operating Humidity** 40°C @ 95% Relative Humidity, Non-condensing

**Construction** Aluminum + Metal

**Mounting Kit** Table Stand  
Din Rail  
VESA

**Vibration Protection Test** With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis

**Shock Protection Test** With SSD: 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis

**Drop Test** ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces

**IP Rating** IP40

**Certification Information** CE, FCC Class B, UKCA  
Wi-Fi 6E Certified

**Dimensions** 6.69" x 4.92" x 1.42" (170mm x 125mm x 36mm)

**Weight** 1.87lbs (0.85kg)

### Ordering Info

**NUC-TGU-I3** Barebone: Intel® Core™ i3-1115G4E, 8GB DDR4, 2 x COM, 4 x USB 3.1, 3 x M.2, 2 x HDMI, 2 x LAN, 12V DC, Fanless, Wide Temp 0 to 50C

**NUC-TGU-I5** Barebone: Intel® Core™ i5-1145G7E, 8GB DDR4, 2 x COM, 4 x USB 3.1, 3 x M.2, 2 x HDMI, 2 x LAN, 12V DC, Fanless, Wide Temp 0 to 50C

**NUC-TGU-I7** Barebone: Intel® Core™ i7-1185G7E, 8GB DDR4, 2 x COM, 4 x USB 3.1, 3 x M.2, 2 x HDMI, 2 x LAN, 12V DC, Fanless, Wide Temp 0 to 50C

**Included Accessories** Please check Packing List section in the user's manual.

\* All product specifications and images are subject to change without notice. Last update: 04/05/2024



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