



## NUC-TGU

### 11th Gen Intel® Tiger Lake Fanless NUC Slim System



- > Intel® 11th Tiger Lake-U Processor
- > Intel® Iris® Xe Graphics
- > Single Memory Socket, Max. Up to 32GB DDR4 3200
- > Dual Display, HDMI 2.0b
- > Dual Intel® Gigabit Ethernet, 2.5GbE, 1GbE
- > Triple M.2 Slot, Key-E/B/M for Wi-Fi, LTE, SSD, I/O module
- > Supports iAMT, Kensington Lock
- > Default dTPM 2.0, Mounting Kit

#### + Spec

System Information (CS)	
<b>Processor</b>	Intel® Core™ i7-1165G7 Processor (15W, 12M Cache, up to 4.70 GHz) Intel® Core™ i5-1135G7 Processor (15W, 8M Cache, up to 4.20 GHz) Intel® Core™ i3-1115G4 Processor (15W, 6M Cache, up to 4.1 GHz) Intel® Core™ i7-1185G7E Processor (15W, 12M Cache, up to 2.80 GHz) Intel® Core™ i5-1145G7E Processor (15W, 8M Cache, up to 2.60 GHz) Intel® Core™ i3-1115G4E Processor (15W, 6M Cache, up to 3.00 GHz)
<b>System Memory</b>	1 x 260-pin DDR4 SODIMM Socket, Supports Up to 32GB DDR4 3200MTs SDRAM
<b>I/O Chipset</b>	EC ITE IT5571VG-I128/CX
<b>BIOS Information</b>	AMI BIOS, 128Mbit SPI Flash ROM
<b>Watchdog Timer</b>	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
<b>H/W Status Monitor</b>	Monitoring CPU Temperature, Voltage with Auto Throttling Control
<b>TPM</b>	TPM2.0
<b>iAMT</b>	Above Core i5 (selected SKUs)
<b>SBC</b>	NCM-TGU
Expansion (CS)	
<b>M.2</b>	1 x M.2 Key-M 2280 (PCIe Gen4 x4) 1 x M.2 Key-B 2242/3042/3052 with Internal SIM Slot (PCIe, SATA, USB 2.0) 1 x M.2 Key-E 2230 (PCIe, USB 2.0)
Storage (CS)	
<b>M.2</b>	1 x M.2 Key-M 2280 NVMe (PCIe Gen4 x4) 1 x M.2 Key-B 2242 ((PCIe Gen4 x1, SATA3)
Edge I/O (Front) (CS)	
<b>USB Port</b>	2 x USB 2.0
<b>COM Port</b>	2 x RS232/422/485 (BIOS)
<b>Audio</b>	1 x Line-Out, 1 x Mic-In
<b>Power Button</b>	1 x Power On/Off w/LED
<b>LED Indicator</b>	1 x Data Access 1 x Wi-Fi 1 x LTE
Edge I/O (Rear) (CS)	
<b>USB Port</b>	4 x USB 3.2 Gen.2 (10Gbp/s)
<b>HDMI</b>	2 x HDMI 2.0b
<b>RJ-45</b>	2 x RJ45
Edge I/O (Right) (CS)	
<b>Antenna</b>	2 x Antenna Mounting with Dust Protection Cover
Edge I/O (Left) (CS)	
<b>Antenna</b>	2 x Antenna Mounting with Dust Protection Cover
Display (CS)	
<b>Graphic Chipset</b>	Intel® Iris® Xe Graphics (i7-1165G7/i5-1135G7) Intel® UHD Graphics for 11th Gen Intel® Processors (i3-1115G4)
<b>Resolution</b>	2 x HDMI 2.0b: 4096x2304@60Hz
Audio (CS)	
<b>Audio Codec</b>	Realtek ALC888S-VD2-GR
Ethernet (CS)	
<b>LAN Chipset</b>	1 x Intel® I225-LM 1 x Intel® I219-LM
<b>Specification</b>	10/100/1000/2.5 Gigabit (I225-LM) 10/100/1000 Gigabit (I219-LM)
Power Requirement (CS)	
<b>DC Input</b>	+12V



<b>DC Input Connector</b>	1 x Lockable DC Jack
<b>ACPI</b>	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
<b>Power Mode</b>	AT/ATX (ATX is default setting)
<b>Adapter</b>	AC to DC Adapter
<b>Software Support (CS)</b>	
<b>OS Information</b>	Win10, Win11, Linux
<b>Certification (CS)</b>	
<b>Certification Information</b>	CE, FCC Class B
<b>Power Requirement</b>	
<b>Adapter</b>	AC to DC Adapter
<b>Mechanical &amp; Environmental</b>	
<b>Operating Temperature</b>	With extended temperature peripherals: 0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow
<b>Storage Temperature</b>	-30~70C° (-22°F ~ 158°F)
<b>Operating Humidity</b>	40°C @ 95% Relative Humidity, Non-condensing
<b>Dimension (W x L x H)</b>	170mm x 125mm x 36mm(6.69" x 4.92" x 1.42")
<b>Vibration Test</b>	With SSD: 5Gms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
<b>Shock Test</b>	With SSD: 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
<b>Drop Test</b>	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
<b>Mounting Kit</b>	Table Stand/Din Rail/VESA
<b>Kensington Lock</b>	1 x Kensington Lock
<b>Construction</b>	Aluminum + Metal
<b>Ordering Information</b>	
<b>Ordering Information</b>	<p>NUC-TGU-I7-A1-1R 11th Gen Intel®Core™ Processor Core™ i7-1165G7 Fanless NUC Slim System</p> <p>NUC-TGU-I5-A1-1R 11th Gen Intel®Core™ Processor Core™ i5-1135G7 Fanless NUC Slim System</p> <p>NUC-TGU-I3-A1-1R 11th Gen Intel®Core™ Processor Core™ i3-1115G4 Fanless NUC Slim System</p> <p>NUC-TGU-I7E-A1-1R 11th Gen Intel®Core™ Processor Core™ i7-1185G7E Fanless NUC Slim System</p> <p>NUC-TGU-I5E-A1-1R 11th Gen Intel®Core™ Processor Core™ i5-1145G7E Fanless NUC Slim System</p> <p>NUC-TGU-I3E-A1-1R 11th Gen Intel®Core™ Processor Core™ i3-1115G4E Fanless NUC Slim System</p> <p>E1702031831R Australia Power Cord</p> <p>E1702031833R USA Power Cord</p> <p>E1702031834R Japan Power Cord</p> <p>E170P060380R UK Power Cord</p> <p>E1702031000R EU Power Cord</p>