



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)

Processor	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)
System Memory	1 x 260-pin DDR4 SODIMM Socket, Supports Up to 32GB DDR4 3200MTs SDRAM
I/O Chipset	EC ITE IT5571VG-I128/CX
BIOS Information	AMI BIOS, 128Mbit SPI Flash ROM
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	TPM2.0
iAMT	Above Core i5 (selected SKUs)
SBC	NCM-TGU

Expansion (CS)

M.2	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)
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Storage (CS)

M.2	1 x M.2 Key-M 2280 NVMe (PCIe Gen4 x4) 1 x M.2 Key-B 2242 ((PCIe Gen4 x1, SATA3)
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Edge I/O (Front) (CS)

USB Port	2 x USB 2.0
COM Port	2 x RS232/422/485 (BIOS)
Audio	1 x Line-Out, 1 x Mic-In
Power Button	1 x Power On/Off w/LED
LED Indicator	1 x Data Access 1 x Wi-Fi 1 x LTE

Edge I/O (Rear) (CS)

USB Port	4 x USB 3.2 Gen.2 (10Gbp/s)
HDMI	2 x HDMI 2.0b
RJ-45	2 x RJ45

Edge I/O (Right) (CS)

Antenna	2 x Antenna Mounting with Dust Protection Cover
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Edge I/O (Left) (CS)

Antenna	2 x Antenna Mounting with Dust Protection Cover
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Display (CS)

Graphic Chipset	Intel® Iris® Xe Graphics (i7-1165G7/i5-1135G7) Intel® UHD Graphics for 11th Gen Intel® Processors (i3-1115G4)
Resolution	2 x HDMI 2.0b: 4096x2304@60Hz

Audio (CS)

Audio Codec	Realtek ALC888S-VD2-GR
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Ethernet (CS)

LAN Chipset	1 x Intel® I225-LM 1 x Intel® I219-LM
Specification	10/100/1000/2.5 Gigabit (I225-LM) 10/100/1000 Gigabit (I219-LM)

Power Requirement (CS)

DC Input	+12V
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DC Input Connector	1 x Lockable DC Jack
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)
Adapter	AC to DC Adapter
Software Support (CS)	
OS Information	Win10, Win11, Linux
Certification (CS)	
Certification Information	CE, FCC Class B
Power Requirement	
Adapter	AC to DC Adapter
Mechanical & Environmental	
Operating Temperature	With extended temperature peripherals: 0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow
Storage Temperature	-30~70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	170mm x 125mm x 36mm(6.69" x 4.92" x 1.42")
Vibration Test	With SSD: 5Gms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock 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
Mounting Kit	Table Stand/Din Rail/VESA
Kensington Lock	1 x Kensington Lock
Construction	Aluminum + Metal
Ordering Information	
Ordering Information	<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>