



NUC-TGU

11th Gen Intel® Tiger Lake Fanless NUC SII System



Intel® 11th Tiger Lake-U Processor
 Intel® Iris® Xe Graphics
 Single Memory Socket, Max. Up to 32GB DDR4
 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
 Supports iAMT, Kensington Lock
 Default dTPM 2.0, Mounting Kit

+ Spec

. System Information

Processor

Intel® Core™ Processor i7-1165G7 (15W)
 Intel® Core™ Processor i5-1135G7 (15W)
 Intel® Core™ Processor i3-1115G4 (15W)
 Intel® Core™ Processor i7-1185G7E (15W)
 Intel® Core™ Processor i5-1145G7E (15W)
 Intel® Core™ Processor i3-1115G4E (15W)

System Memory

1 x 260-pin DDR4 SODIMM Socket, Supports Up to 32GB DDR4 3200MTs SDRAM

I/O Chipset

EC ITE IT5571VG-I-128/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-

M.2

1 x M.2 Key-M 2280 (PCIe Gen4 x 4)
 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-

M.2

1 x M.2 Key-M 2280 NVMe (PCIe Gen4 x 4)
 1 x M.2 Key-B 2242 ((PCIe Gen4 x1, SATA3)

.-Front I/O-

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

.-Rear I/O-

USB Port

4 x USB 3.2 Gen.2 (10Gbp/s)

HDMI

2 x HDMI 2.0b

RJ-45

2 x RJ45

.-Right I/O-

Antenna

2 x Antenna Mounting with Dust Protection Cover

.-Left I/O-

Antenna

2 x Antenna Mounting with Dust Protection Cover

.-Display-

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-

Audio Codec	RealTek ALC888S-VD2-GR
.-Ethernet-	
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-	
DC Input Voltage	+12V

W



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-	
OS Information	Win10, Win11, Linux
.-Certification-	
Certification Information	CE, FCC Class B, UKCA Wi-Fi 6E certified
.-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	-30~70C° (-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")
Weight	0.85kg
Vibration Test	With SSD: 5Grms, 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
IP Rating	40
Mounting Kit	Table Stand/Din Rail/VESA
Kensington Lock	1 x Kensington Lock
Construction	Aluminum + Metal
.-Ordering Information	
Ordering Information	NUC-TGU-I7-A1-1R 11th Gen Intel®Core™ Processor i7-1165G7 Fanless NUC Slim System NUC-TGU-I5-A1-1R 11th Gen Intel®Core™ Processor i5-1135G7 Fanless NUC Slim System NUC-TGU-I3-A1-1R 11th Gen Intel®Core™ Processor i3-1115G4 Fanless NUC Slim System NUC-TGU-I7E-A1-1R 11th Gen Intel®Core™ Processor i7-1185G7E Fanless NUC Slim System NUC-TGU-I5E-A1-1R 11th Gen Intel®Core™ Processor i5-1145G7E Fanless NUC Slim System NUC-TGU-I3E-A1-1R 11th Gen Intel®Core™ Processor i3-1115G4E Fanless NUC Slim System E1702031831R Australia Power Cord E1702031833R USA Power Cord E1702031834R Japan Power Cord E170P060380R UK Power Cord E1702031000R EU Power Cord

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