ACS10-TGU

11th Gen Intel® Tiger Lake Fanless Tiny System

- 11th Gen Intel® Core™ i5/i3 Tiger Lake-UP3 Processor
- Intel® Iris® Xe/ UHD Graphics Engine
- 1-260-pin DDR4 3200MHz SO-DIMM, Supports Up to 32
- 2-Gigabit Ethernet, 1 x 2.5GbE, 1 x 1GbE
- 2-COM Port (RS-232/422/485 & RS-232)
- 2-Audio Jack (Line-Out & Mic-In)
- 2-Storage (M.2 Key-M NVMe & M.2 Key-B SATA)
- 2-Expansion Slot (M.2 Key-E, Key-B)
- 6-USB Port (3-USB 3.2 & 3-USB 2.0)
- CE, FCC Class A, UKCA

Spec

System Information (CS)	
Processor	Intel® Core™ i5-1135G7 (TDP 15W) (Default) Intel® Core™ i3-1115G4 (TDP 15W) (Default) Intel® Core™ i7-1165G7 (TDP 15W) (Project Based) Intel® Core™ i7-1185G7E (TDP 15W) (Project Based) Intel® Core™ i5-1145G7 (TDP 15W) (Project Based) Intel® Celeron 6305E (TDP 15W) (Project Based)
System Memory	Single 260-Pin SO-DIMM Socket, Max. Up to 32GB DDR4 3200MHz
BIOS Information	AMI uEFI BIOS, 256Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
H/W Status Monitor	CPU temperature monitoring and voltage monitoring
TPM	dTPM 2.0
SBC	ECM-TGUC
Expansion (CS)	
M.2	1 x M.2 Key-E 2230 (PCIe, USB 2.0) 1 x M.2 Key-B 2242/3042/3052 with 1x SIM Slot (SATA, USB3.2, USB 2.0), share with Storage
Storage (CS)	
M.2	1 x M.2 Key-B 2242 (SATA3) 1 x M.2 Key-M 2280 NVMe (PCIe Gen4 x 4)
Edge I/O (Front) (CS)	
Power Button	1 x Power Button w/LED
Edge I/O (Rear) (CS)	
USB Port	3 x USB 3.2 Gen.2 3 x USB 2.0
COM Port	1 x RS-232/422/485 (Default RS-232) 1 x RS-232
DP	2 x DP++
Audio	1 x Line-Out 1 x Mic-In
RJ-45	2 x RJ-45
LED Indicator	1 x Power On/Off 1 x Storage Access
Antenna	2 x Antenna Mounting with Dust Protection Cover
Edge I/O (Right) (CS)	
Antenna	2 x Antenna Mounting with Dust Protection Cover
Edge I/O (Left) (CS)	
Antenna	2 x Antenna Mounting with Dust Protection Cover
Display (CS)	
Graphic Chipset	Intel® Iris® Xe Graphics (i7-1165G7/ i5-1135G7) Intel® UHD Graphics for 11th Gen Intel® Processors (i3-1115G4)
Resolution	DP++ 1.4: 4096x2304@60Hz
Audio (CS)	
Audio Codec	RealTek ALC888S-VD2-GR
Ethernet (CS)	
LAN Chipset	Intel® Ethernet Connection I219-LM (1G) Intel® Ethernet Controller I225-V (2.5G)
Specification	10/100/1000 Gigabit (I219-LM) 10/100/1000/2500 Gigabit (I225-V)
Power Requirement (CS)	
DC Input	12Vdc

DC Input Connector	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 60W
Software Support (CS)	
OS Information	Win11 64bits, Win10, Linux
Certification (CS)	
Certification Information	CE, FCC Class A, UKCA
In-Box Accessory (CS)	
Accessory	1 x AC to DC Adapter, 1 x Wall Mount, 4 x Rubber Foots, 1 x Screw Kit
Mechanical & Environmental	
Operating Temperature	With wide-temp storage: 0°C ~ 50°C (32°F ~ 122°F) with 0.5m/s air flow With general storage: 0°C ~ 40°C (32°F ~ 122°F) with 0.5m/s air flow
Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	188mm x 120mm x 48mm
Weight	835g
Vibration Test	with SSD: 1.5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 30min/axis
Shock Test	IEC 60068-2-27, Half Sine, 11ms
Drop Test	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Mounting Kit	Wall Mount Kit
Construction	Aluminum + Metal
Ordering Information	
Ordering Information	ACS10-TGU-A1-1R, ACS10-TGU w/ i3-1115G4 ACS10-TGU-A1-2R, ACS10-TGU w/ i5-1135G7 Power Cord information USA Power Cord: E1702031833R UK Power Cord: E170P060380R EU Power Cord: E1702031000R Australia Power Cord: E1702031831R Bracket for M.2 Key-B 2242/3042 peripherals E195BK00000002R & E1932000300R & E1932030401R 1pc