

## Features

- Intel® 11th Tiger Lake-U Processor onboard
- Intel® Iris® Xe/UHD Graphics, CPU dependent
- 1 x SODIMM memory socket supports up to 32GB DDR4 3200MT/s
- Supports Dual Display via 2 x DP++ 1.4 DisplayPorts
- 2 x Intel® I226-LM Ethernet Controllers (2.5GbE)
- 3 storage capability via one 2.5" Drive Bay and two M.2 SSD
- 3 x M.2 Slot, E/B/M-Key for Wi-Fi, LTE, SSD and I/O modules
- Support iAMT (SKU-specific), SATA RAID 0/1
- Default TPM 2.0
- Wall Mount Kit available



## Specifications

System	
Motherboard	Intel® Core™ i7- 1185G7E (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) Intel® Celeron® 6305E Processor (15W, 4M Cache, 1.80 GHz)
System Memory	1 x 260-pin SODIMM socket supports up to 64GB DDR4 3200 MT/s
I/O ChipSet	EC ITE IT8882
BIOS	AMI uEFI BIOS 256 Mbit SPI Flash ROM
Ethernet	LAN1: Intel® I226-LM Gigabit Ethernet Controller LAN2: Intel® I226-LM Gigabit Ethernet Controller
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec.
H/W Status Monitor	System temperature monitoring and Voltages monitoring
RAID	SATA RAID 0/1
iAMT	Supported by Intel® Core i5 and above processors (select SKUs)
TPM	TPM 2.0
System Fan	Fanless
TPM	TPM 2.0 Onboard - Infineon® SLB9665TT 2.0
Expansion	1 x M.2 M-Key 2242 (PCIe Gen4 x 4) 1 x M.2 B-Key 2242/3042 (Internal SIM Card Socket, SATA, USB 2.0) 1 x M.2 E-Key 2230 (PCIe, USB 2.0)
Storage	Via M.2: 1 x M.2 M-Key 2242 NVMe (PCIe Gen4 x 4) 1 x M.2 B-Key 2242/3042 (SATA)  Via 2.5" Drive Bay: 1 x Internal 2.5" Drive Bay (7mm)
Supported OS	Win 10, Linux

### Display

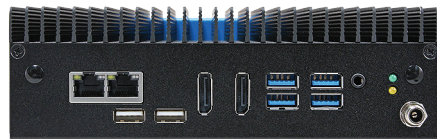
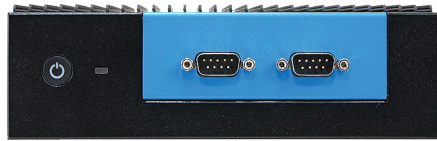
Chipset	Intel® Iris® Xe Graphics (Intel® i7-1185G7E/i5-1145G7E) Intel® Iris® UHD Graphics (Intel® i3-1115G4E/6305E)
Resolution	DP++ 1.4: 4096x2304 @ 60Hz DP1+DP2 (DP 1.4): 7680x4320 @ 60Hz Max

### External I/O - Front

COM Port	2 x RS232/422/485
Power Button	1 x Power Button

### External I/O - Rear

USB	4 x USB 3.1 Gen.2 (10Gbp/s) 2 x USB 2.0
DP	2 x DP++
Audio	1 x Combo Jack (Mic-in, Line-out)
LAN	2 x RJ45 (Max. Up to 3-RJ45 in project base)
LED Indicator	1 x Power On/Off 1 x Storage Access
Antenna	2 x Antenna Mounting with Dust Protection Cover



### Power Requirement

DC Input	12/24Vdc Lockable DC Jack
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/10A AC-DC 120W Adapter
ACPI	Single power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Mode	AT/ATX (ATX is default setting)

### Mechanical and Environment

Operating Temp	With extended temperature peripherals: 0°C ~ 50°C (14°F ~ 122°F) with 0.5m/s air flow
Storage Temp	-30~70C° (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Vibration Test	With SSD : 5Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 1hr/axis
Shock Test	With SSD : 55Grms, IEC 60068-2-27, Half Sine, 11ms
Drop	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Mounting Method	Stand, Wall Mount Kit available
Dimension	7" x 4.8" x 2.2" (177mm x 123mm x 55mm)
Certification Information	CE, FCC Class B, UKCA

### Ordering Info

EPC-TGU-85-B1-1R	11th Gen Intel®Core™ Processor Core™ i7-1185G7E Fanless Compact System
EPC-TGU-45-B1-1R	11th Gen Intel®Core™ Processor Core™ i5-1145G7E Fanless Compact System
EPC-TGU-15-B1-1R	11th Gen Intel®Core™ Processor Core™ i3-1115G7E Fanless Compact System
EPC-TGU-05-B1-1R	11th Gen Intel®Celeron 6305E Fanless Compact System
In-Box Accessory	2 x Wall Mmount Brackets, 1 x AC to DC Adapter, 1 x Power Cord, 4 x Rubber Foot, 1 x DP to VGA cable, 1 x Screw Kit

\* All product specifications and images are subject to change without notice. Last update: 06/22/2023



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