ACS-ALUC

12th/13th Gen. Intel® Core™ i3/i5 processor
Fanless Slim System



Features

- Intel® 12th/13th Gen. Core™ i5/i3 (15W) processors
- Intel® Iris® Xe/UHD Graphics eligible
- 1 x 260-Pin DDR4 3200MHz non-ECC SO-DIMM Socket Supports Up to 32GB
- Dual Display (DP++, HDMI 2.0b)
- 4 x COM Port (RS232)
- 2 x Intel® Ethernet Controller (1GbE)
- 3 x Expanslot Slot (M.2 Key-E, Key-M, Key-B)
- 6 x USB Port (3 x USB3.2 Gen1)
- 1 x DC jack
- 1 x Audio jack (Line-out+Mic-in)

HDMI + DP++ 4K@60Hz | Compact Size 180x136x40 | Onboard fTPM 2.0 | High Speed M.2 Key-M NVMe | No Vents -10°C~50°C

Specifications

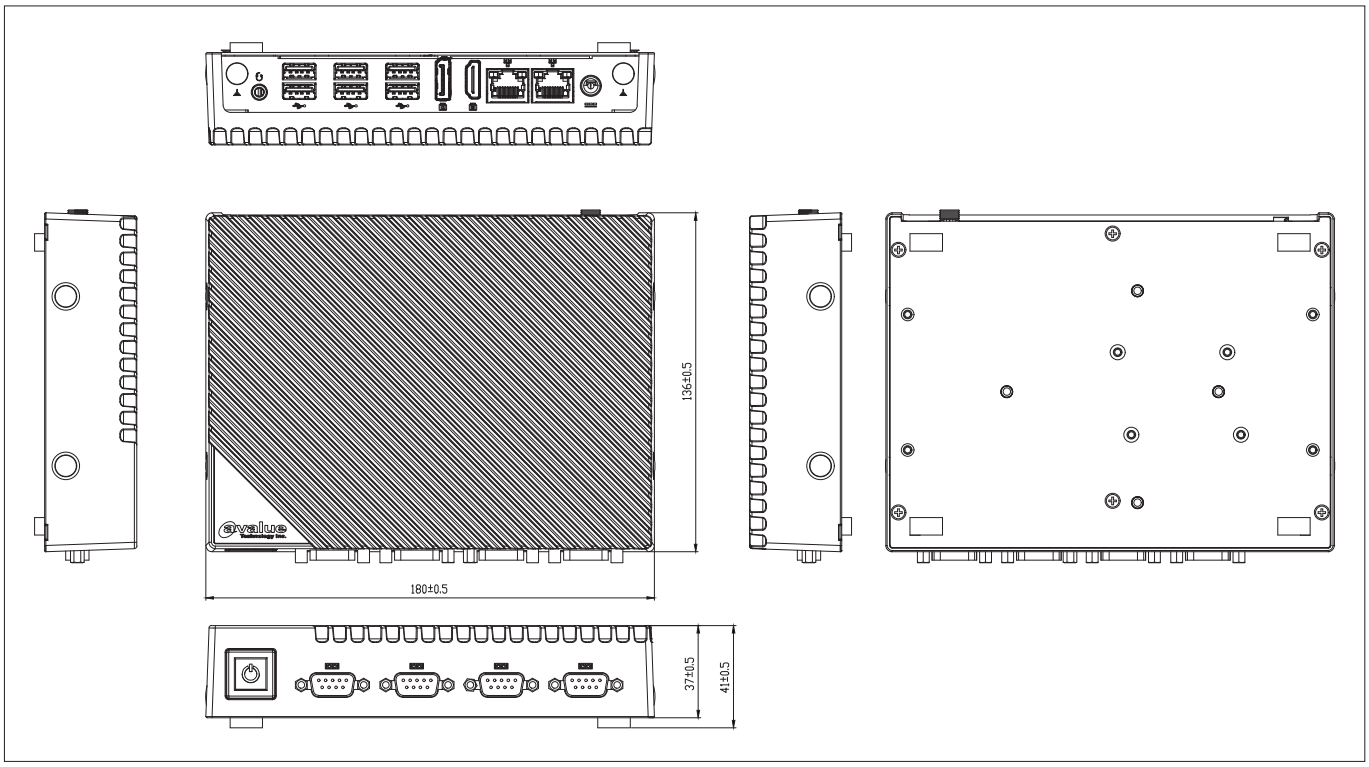
System Information	
Processor	12th Gen Alder Lake-P series Intel® BGA 1744 Processors Intel Mobile Series Intel® Core™ i5-1235U Processor,10C12T,12M Cache, 1.3GHz (4.4GHz), 15W Intel® Core™ i3-1215U Processor,6C8T,10M Cache, 1.2GHz (4.4GHz), 15W
System Memory	1 x 260-pin DDR4 3200 SO-DIMM up to 32GB
Expansion	
M.2	1 x M.2 Key-E 2230 (PCIE) 1 x M.2 Key-B 2242/3052 (PCIE+USB2.0+USB3.0) 1 x M.2 Key-M 2280 (PCIE)
Storage	
M.2	1 x M.2 Key-M 2280
Front I/O	
COM Port	4 x RS232(Front)
Rear I/O	
USB	6 x USB 3.2 Gen1 (Rear)
Audio	1 x Line-Out + Mic
DP	1 x DP++
HDMI	1 x HDMI
AC/DC Input	DC 12V
Ethernet	
LAN Chipset	1 x I226V 1GbE 1 x I219V 1GbE

Software Support	
OS	Win10, Win11, Linux
Mechanical & Environmental	
Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F) with 0.5m/s air flow
Dimension (W x L x H)	180mm x 136mm x 40mm
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

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Mechanical Drawing



Ordering Information

P/N	Processor	TDP	Memory	Storage	I/O Ports (COM/USB/LAN)	Display Output	Audio Port	Adapter/ PSU	Power Input	Temp.	OS Support
ACS-ALUC-A1-1R	I3-1215U	15W	N/A	N/A	4COM/6USB/2LAN	HDMI/DP++	Mic-in/Line-out combo	120W	+12V DC in	-10°C ~ 50°C	Windows 10/11/Linux
ACS-ALUC-A1-3R	I5-1235U	15W	N/A	N/A	4COM/6USB/2LAN	HDMI/DP++	Mic-in/Line-out combo	120W	+12V DC in	-10°C ~ 50°C	Windows 10/11/Linux
ACS-ALUC-A1-2R	I3-1215U	15W	8GB DDR4	128GB	4COM/6USB/2LAN	HDMI/DP++	Mic-in/Line-out combo	120W	+12V DC in	-10°C ~ 50°C	Windows 10/11/Linux
ACS-ALUC-A1-4R	I5-1235U	15W	8GB DDR4	128GB	4COM/6USB/2LAN	HDMI/DP++	Mic-in/Line-out combo	120W	+12V DC in	-10°C ~ 50°C	Windows 10/11/Linux

Packing List

Item	Quantity
ACS-ALUC	1
Adapter	1
Component kit (bracket & screws for M.2)	1
Peripherals vary by finished product part number (DRAM & M.2)	1

I/O Overview

