ACS413

Advanced Compact System
13th Gen Intel® Core™ i7/i5/i3/U300E Processors





Features

- Compact Expandable System for MBE330 proprietary board
- 13th Gen Intel® Core™ i7/i5/i3/U300E Processors
- Supports dual-channel DDR5-5200 SO-DIMM
- 2x USB Type-C (DP Alternate Mode), Up to 60W per port
- Removable drive bay for 2.5 inch HDD/SSD
- 1x PCIe (x8) + 1x PCIe (x4) expansion slot
- Over/Under/Reverse voltage protection
- Supports DIN-rail mount & wall mount
- Supports TPM 2.0 hardware security
- Isolated COM 1 and COM2
- HDMI, 2x DP++, 2x USB-C (DP Alternate Mode) Supports up to 4x independent displays
- 6x USB 3.2
- 4x Internal M.2 sockets for 2x Storage, Wi-Fi/BT and 4G/5G communication with Dual Nano SIM slots

Specifications

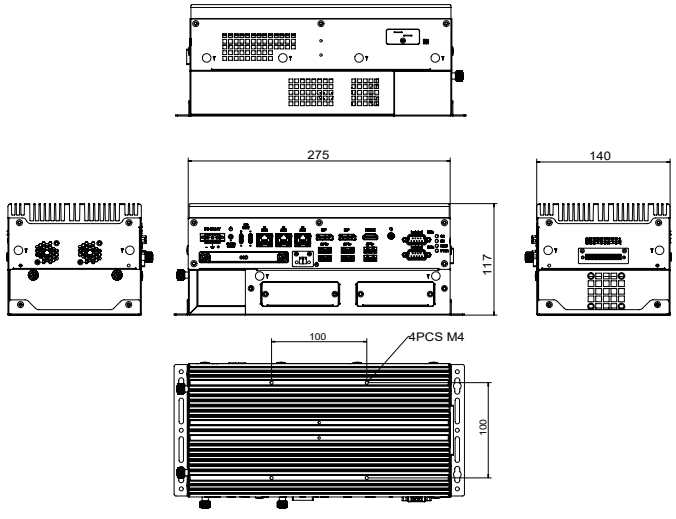
System Mainboard	MBE330
CPU Type	Intel® U300E Processor (Five-Core @ 4.3GHz) Intel® Core™ i3-1315UE Processor (Six-Core @ 4.5GHz) Intel® Core™ i5-1335UE Processor (Ten-Core @ 4.5GHz) Intel® Core™ i7-1365UE Processor (Ten-Core @ 4.9GHz)
System Speed	Intel® Raptor Lake U300E Processor (Five-Core up to 4.3GHz) Intel® Core™ i3-1315UE Processor (Six-Core up to 4.5GHz) Intel® Core™ i5-1335UE Processor (Ten-Core up to 4.5GHz) Intel® Core™ i7-1365UE Processor (Ten-Core up to 4.9GHz)
Memory	2x DDR5-4800 SO-DIMM, Max .96GB
Front Panel External I/O	4x antenna holes 2x Nano SIM slots
Rear Panel External I/O	6x USB 3.2 Gen.1 2x USB Type-C (DP Alternate mode) PD Up to 60W per port 2x isolated COM 3x 2.5GbE 2x DP++ 1.4 1x HDMI 2.0 1x Audio combo jack 3-pin bare-wire DC-In, 24V 1x remote power switch connector 1x power button 1x Clear CMOS button
Expansion Slots	2x M.2 2280 M-key sockets 1x M.2 2030 E-key socket [supports USB 2.0 & PCIe x1] (for Wi-Fi/BT module) 1x M.2 3052 B-key socket [supports USB 2.0/3.0 & PCIe x1] (for 4G/5G) 2x PCIe (x4)
Storage	2x M.2 M-key (2280)
Construction	Aluminum & SGCC
Chassis Color	Silver / Gray
Mounting Type	VESA 100 x 100 mm, wall mount, optional DIN-rail kit
Dimensions	275mm (W) x 140mm (D) x 117mm (H) 10.83" (W) x 5.51" (D) x 4.6" (H)
Weight	3.5 kg
Operating Temperature	-10°C ~ 60°C (14°F ~ 140°F) *with airflow -10°C ~ 50°C (14°F ~ 122°F) without airflow
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F)
Relative Humidity	5% ~ 90% @ 45°C (non-condensing)

Vibration	Operating: 3Grms / 5~500Hz
Shock	Operating : 20G / 11ms Non-operating : 40G / 11ms
Certification	CE/LVD/FCC Class B

Ordering Information

ACS413-U3	Intel® Raptor Lake U300E Processor (Five-Core up to 4.3GHz) onboard, w/o memory / storage / O.S. / AC adaptor, Supports VESA 100x100mm and desktop / wall mount brackets (RoHS2)
ACS413-i3	Intel® Core™ i3-1315UE Processor (Six-Core up to 4.5GHz) onboard, w/o memory / storage / O.S. / AC adaptor, Supports VESA 100x100mm and desktop / wall mount brackets (RoHS2)
ACS413-i5	Intel® Core™ i5-1335UE Processor (Ten-Core up to 4.5GHz) onboard, w/o memory / storage / O.S. / AC adaptor, Supports VESA 100x100mm and desktop / wall mount brackets (RoHS2)
ACS413-i7	Intel® Core™ i7-1365UE Processor (Ten-Core up to 4.9GHz) onboard, w/o memory / storage / O.S. / AC adaptor, Supports VESA 100x100mm and desktop / wall mount brackets (RoHS2)

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice
2. ODM/OEM is available. 3. For user manual & datasheet download, visit www.ibt.ca