



Features

- Intel® Atom® N150 / N97 / Core™ 3 N355 Processors (formerly Alder Lake N / Amston Lake/ Twin Lake)
- Rich I/O supports 2x COM
- 4x DI, 4x DO
- USB Type-C with Alternate mode, PD up to 60W
- 2x USB 3.2, 4x USB 2.0
- Supports M.2 (2230) sockets for Wi-Fi / BT and M.2 (3052) 4G/5G communication with a Nano SIM slot
- Supports TPM 2.0 hardware security
- 19V~24V DC power input
- VESA 75x75 and 100x100mm wall mounting
- Extended operating temperature Max. from -20°C to 50°C

Specifications

System Mainboard	MBP-210-N97/ MBP-210-N150 / MBP-210-N355
CPU Type	Intel® Core™ 3 N355 Processor (8 Cores) Intel® Atom™ N150 Processor (4 Cores) Intel® Atom™ N97 Processor (4 Cores)
System Speed	N150 and N97 up to 3.6GHz, N355 up to 3.9GHz
Memory	1x DDR5-4800 SO-DIMM, Max. 16GB
Front Panel External I/O	1x Power button 1x Clear CMOS button 4x USB 2.0 1x Nano SIM slot 1x Digital I/O (4-in/4-out), 5V and GND 3x Antenna holes
Rear Panel External I/O	2x USB 3.2 1x HDMI 2x DB9 for COM#1 (RS232/422/485), COM#2 RS232 Only 2x LAN 1x DC-in connector for 19V ~ 24V 1x Antenna holes
Expansion Slots	3x M.2 sockets (B-key/ E-key and M-key)
Storage	1x M.2 M-key (2280)
Construction	Aluminum & steel
Chassis Color	Black/Gray
Mounting Type	VESA 75x75 and 100x100 mm, Optional DIN-Rail kit
Dimensions	167mm (W) x 110mm (D) x 54.15mm (H) 6.58" (W) x 4.3" (D) x 2.13" (H)
Weight	1.25kg
Operating Temperature	N97, N355 : -20°C~40°C (-4°F~104°F) N150: -20°C~70°C (-4°F~158°F) *with airflow
Storage Temperature	-30~70°C (-22°F~158°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

ACS100-N355	Intel® Core™ i3-N355 Processor, 8GB DDR5 SO-DIMM, 128GB SSD, USB-C PD 60W, w/ 120W power adaptor
ACS100-N150	Intel® Atom™ N150 Processor, 8GB DDR5 SO-DIMM, 128GB SSD, USB-C PD 60W, w/ 120W power adaptor
ACS100-N97	Intel® Atom™ N97 Processor, 8GB DDR5 SO-DIMM, 128GB SSD, USB-C PD 60W, w/ 120W power adaptor

Dimensions and Drawing

