



Features

- Intel® Atom® x7000E Series / N-series / Core™ 3 N355 Processors (formerly Alder Lake-N / Amston Lake / Twin Lake)
- Rich I/O supports 2x COM, 4x optional power 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 Nano SIM slot
- Supports TPM 2.0 hardware security
- 9V~36V DC wide-range power input
- VESA 75x75 and 100x100mm wall mount
- Extended operating temperature Max. from -30°C to 60°C

Specifications

System Mainboard	MBP-210-N97/ MBP-210-N150/ MBP-210-N305/ MBP-210-N355/ MBP-210-7835
CPU Type	Intel® Atom™ N97 Processor (4 Cores) up to 3.6G Intel® Atom™ N150 Processor (4 Cores) up to 3.6G Intel® Core™ i3 N305 Processor (8 Cores) up to 3.8G Intel® Core™ 3 N355 Processor (8 Cores) up to 3.9G Intel® Atom™ X7835RE Processor (8 Cores) up to 3.6G
System Speed	N97/N150 and X7835RE- up to 3.6GHz, i3-N305 up to 3.8GHz, 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 Optional 4x Power COM #3~#6 Pin9 Jumper select 0, 5V, 12V 1x Digital I/O (4-in/4-out), 5V and GND 1x Nano SIM slot 4x Antenna holes
Rear Panel External I/O	2x USB 3.2 4x USB 2.0 1x HDMI 2x DB9 for COM#1 (RS232/422/485), 2x LAN 1x 2-pin DC-in terminal block for 9V (-5%) ~ 36V (+5%) 2x 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	242.2mm (W) x 110mm (D) x 54.15mm (H) 9.52" (W) x 4.3" (D) x 2.13" (H)
Weight	1.65 kg
Operating Temperature	N97, N305 and N355: -20°C~50°C (-4°F~122°F) N150: -20°C~70°C (-4°F~158°F) *with airflow x7835RE: -30°C~60°C (-22°F~140°F) *with airflow
Storage Temperature	-30~80°C (-22°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

ACS200-N97-M	Intel® Atom™ N97 Processor, w/o DDR5 and SSD, USB-C PD 60W, w/o power adaptor
ACS200-N150-M	Intel® Atom™ N97 Processor, w/o DDR5 and SSD, USB-C PD 60W, w/o power adaptor
ACS200-N305-M	Intel® Core™ i3 N305 Processor, w/o DDR5 and SSD, USB-C PD 60W, w/o power adaptor
ACS200-N355-M	Intel® Core™ 3 N355 Processor, w/o DDR5 and SSD, USB-C PD 60W, w/o power adaptor
ACS200-7835-M	Intel® Atom™ x7835RE Processor, w/o DDR5 and SSD, USB-C PD 60W, w/o power adaptor
A005PS090W0100710P	AC 100V~240V Adaptor 90W DC 24V/3.75A
A005PS180W0100800P	AC 100V~240V Adaptor 180W DC 24V/7.5A

Dimensions and Drawing

