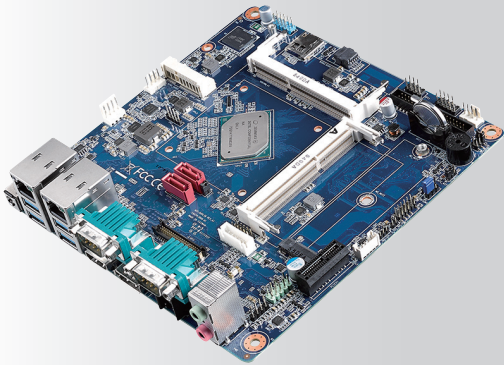


BAPL1-I

Intel® Pentium N4200 / Atom Quad Core Mini-ITX



Features

- ▶ Supports Intel Pentium processor N4200
- ▶ Two 204-pin SO-DIMM up to 8 GB DDR3L 1866 MHz SDRAM
- ▶ Supports DP, HDMI, LVDS
- ▶ Supports 1 PCIe x1, 1 M.2 (key-M), 1 Mini-PCIe expansion slot, 6 COMs, 4 USB 3.0 & 2 USB 2.0, dual LAN
- ▶ Lower total cost of ownership with DC12V support and onboard TPM2.0 (optional) & Amplifier (optional)

Specifications

System

CPU	Supports Intel Pentium N4200 1.1GHz Quad-core Processor
BIOS	AMI 128Mb SPI Flash
System Chipset	SoC
I/O Chip	Nuvoton NCT6106D
Memory Type	Two 204-pin SODIMM sockets support up to 8GB DDR3L-1867 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
Expansion	1 Mini-PCIe, 1 PCIe x1
Power Status	S0, S3, S4, S5
Wake up on LAN or Ring	LAN (WOL, PXE)
Smart Fan Control	Yes

I/O

MIO	1 LVDS, 2 USB2.0, 1 M.2, 1 MicroSD, 3 RS-232, 1 RS-232 with CV/12V Power (WOL), 1 PS2 Combo, 2 SATA-3, 2 Fan, 1 LPC, 1 8-bit GPIO, 1 DC-in
USB	4 USB3.0(rear), 2 USB2.0(internal)
GPIO	8-bit General Purpose I/O

Display

HDMI	Onboard, supports max resolution 3840 x 2160 @ 30Hz
DisplayPort	Onboard, supports DP 1.2 (4096x2160@60Hz)
LVDS	Onboard, dual channel 24-bit LVDS, max 1920 x 1200@60Hz

Audio

Audio Codec	Realtek ALC892, 5.1 Channel HD Audio
Audio Interface	Line-out, Mic-in, Front Audio Header
Audio Amplifier (W)	2W, TI TPA2012

Ethernet

LAN 1	Realtek RTL8111G Gigabit LAN
LAN 2	Realtek RTL8111G Gigabit LAN

Back Panel I/O Port

- 1 DisplayPort
- 1 HDMI Port
- 4 USB 3.0 Port
- 1 Audio I/O (2 Jacks)
- 1 DC-in Connector
- 2 LAN RJ45 Port
- 2 COM RS-232 (Wake-On-Ring)
- 1 RJ11

Internal I/O Connector

- 4 COM RS-232 Connector
- 2 SATA 3.0 Connector
- 1 SATA Power Connector
- 1 Front Panel Connector
- 1 Front Audio Connector
- 1 CPU Fan Connector
- 1 System Fan Connector
- 1 USB 2.0 Connector
- 1 M.2
- 1 MicroSD
- 1 Mini PCI-E Connector
- 1 Keyboard/ Mouse Connector
- 1 LVDS Connector
- 1 LVDS Backlight Connector
- 1 AMP Connector
- 1 GPIO Connector

Power

Power Requirement	+12V (5A)
Power Type	12V DC-in
Power Connector	1 4-pin DC-in Power Connector, 1 4-pin ATX 12V Power Connector

Mechanical & Environmental

Operating Temperature	0°C to 60°C (32°F to 140°F)
Operating Humidity	95%@40°C (non-condensing), operating
Size (L x W)	6.69" x 6.69" (170 mm x 170 mm)
Weight	0.77 lbs (0.35 Kg)

Ordering Information

Part Number	Description
ADS-BAPLIB00-0A1E	BAPL1-I mini-ITX CRB for N4200