



Features

- 12th/13th Intel Raptor lake/Alder lake-core i3/i5 处理器
- 2 x SO-DIMM, 最高支持96GB DDR5
- 1 x HDMI 1.4 out
- 1 x 2.5GbE LAN, 3 x GbE LAN
- 2 x RS232/422/485
- 宽压输入 9~48V
- 操作系统: Windows10/11, Ubuntu22.04

Specifications

System	
CPU	12th/13th Intel Raptor lake/Alder lake-core i3/i5
Memory	2 x SO-DIMM, 最高支持64GB DDR5 5200MT/s (12th Gen), 最高支持96GB DDR5 6400MT/s (13th Gen)
芯片	SoC
BIOS	AMI/UEFI BIOS
TPM2.0	SOC TPM

IO Port	
网口	1 x 2.5GbE port by RJ45 with intel I226-V (LAN1) 3 x GbE ports by RJ45 with intel I210AT (LAN2/3/4)
USB	2 x USB 3.2 Gen1 (Type A) Stack ports 2 x USB 2.0 (Type A) Stack ports
M.2	1 x M.2 M-Key (SATAIII/PCIe x1), 2242/2280 for storage 1 x M.2 B-Key (USB3.2/USB2.0/PCIe x1/SIM), 3042/3052 for 4G/5G 1 x M.2 E-Key Socket (PCIe x1,USB2.0), 2230 for WiFi/BT (可选)
串口	2 x RS232/RS422/RS485, 2*5P pin header P9 with 5V/12V/RI (COM1, COM2)
音频	1 x 音频输出 by Jack
Buzzer	Onboard buzzer
LED Indicators	1 x Power LED 1 x HDD/M.2 M-Key LED
HDMI	1 x HDMI 1.4 out, up to 4096 x 2160 @ 60Hz
Speaker	2 x speaker (4Ω/2W)

Storage Space	
存储	1 x SATAIII Connector (7Pin, 可选) 1 x SATA Power 2Pin Connector

Power	
电源输入	DC 9~48V
电源连接	1 x Power Button, 带LED灯 1 x 3Pin 电源输入连接 1 x 2Pin Power on/off 凤凰头, (可选, Co-lay按键开关, 前面)

Watchdog	
看门狗定时器	Software programmable 1-255 level, 预留

Touch Screen	
类型	电容式触摸屏
接口	USB
透光率	90%

Display	
类型	12.1" TFT-LCD
最大分辨率	1024 x 768
最大颜色	16.7M
亮度 (cd/m ²)	500
视角	176(H)/176(V)
对比度	1,000:1
背光寿命	50,000 hrs

Mechanical & Environmental	
尺寸	318.8 x 245 x 68.5 mm
安装方式	VESA 100 x 100/面板安装
材质	铝压铸
存储温度	-30°C~70°C
工作温度	0°C~50°C
存储湿度	10~95%@40°C，无凝结
防护等级	IP66前面板

Operating System Support	
操作系统	Windows 10/Windows 11/Ubuntu 22.04

Ordering Information

Part NO.	CPU	Cache	Memory	HDMI	GbE	2.5GbE	RS232/422/485	Audio	USB3.2	USB2.0	SATA III
AHM-P41200-I3 1215U	Intel 1215U 4.40 GHz 55W	10MB	SO-DIMM	1	3	1	2	1	2	2	1
AHM-P41200-I5 1235U	Intel 1235U 4.40 GHz 55W	12MB	SO-DIMM	1	3	1	2	1	2	2	1
AHM-P41200-I5 1350P	Intel 1350P 4.70 GHz 65W	12MB	SO-DIMM	1	3	1	2	1	2	2	1

Dimensions

