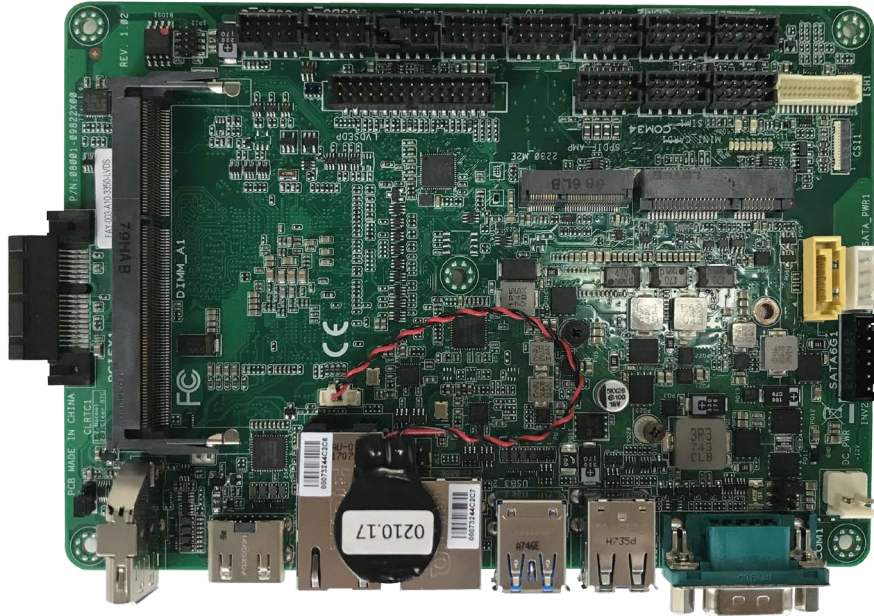


Apollo Lake

FTN3350
FTN4200

N4200 主板
N3350 主板

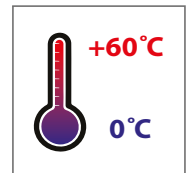
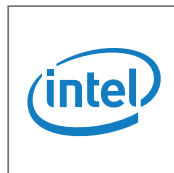
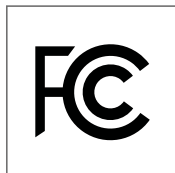
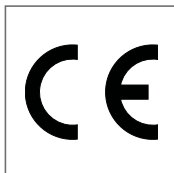
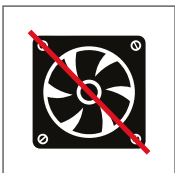


飞帆泰隆重推出经济型Apollo Lake主板系列,该系列遵循最高的工业PC标准,并提供了强大,稳定的性能。它有两个版本:

- Intel® Celeron® Dualcore N3350, with 2x 2.40 GHz
- Intel® Pentium® Quadcore N4200, with 4x 2.50 GHz

这个主板系列有更多的链接端口:HDMI, USB 3.0, USB 2.0, RJ45, PCIe.与以前的版本相比,该主板具有更高的能源效率和更好的冷却性能,完全适用于工业应用。

您可一直围绕 Apollo Lake 主板系列打造产品,2023年之前将会一直生产该系列主板,主板使用寿命可长达15年!



产品名称	Apollo Lake N3350 / N4200
物料代码 / EAN 码	FTN3350
	FTN4200

运行环境 & 电源 & ME	
电源供给	1x onboard 2 pin Power input connector (12 VDC ± 10%)
电源规格	Yes
工作温度 (° C)	0 ~ +60
湿度范围	0% ~ 90% RH, non-condensing
证书	CE & FCC class A
形状系数	EPIC Form Factor, 4.53" × 6.5" (115mm × 165mm)

System	
处理器	Intel® Celeron® Processor Apollo Lake N3350 (FTN3350)
	Intel® Pentium® Processor Apollo Lake N4200 (FTN4200)
内存	1x SO-DIMM, max. 4GB, DDR3L 1333/1600/1867 non-ECC Single channel memory
硬盘	1x Serial ATA 6Gb/s
	1x 5V/12V SATA power connector
显卡	Intel® HD Graphics
LAN	2x LAN connector (1x with POE possibility)
音频	1x Realtek ALC3236 Audio CODEC
TPM	1x Nuvoton NPCT650ABAYX TPM 2.0
H/W 显示	Temperature Monitor on CPU/System
	Voltage Monitor on Vcore/5V/3.3V/12V voltages
计时器	1~255 step by software program
LAN / PXE 唤醒	Yes (WOL / PXE)
电源状态	S3, S4, S5
并口	Yes
GPIO	GPIO
CAN Bus	Yes

Rear I/O (low profile)	
1x DisplayPort - vertical (up to 4096 × 2160 @ 60 Hz)	
1x HDMI connector (up to 3840 × 2160 @ 30 Hz)	
1x COM (COM 1, RS232/422/485; RI / 5V / 12V)	
2x LAN (RJ45) port (LAN1 optional with POE)	
2x USB 3.0 (blue)	
2x USB 2.0 (black)	

扩展卡槽	
1x PCIe x1 straddle type (shared with LAN2)	
1x mSATA (with SIM card) × full/ half size - Can be reworked to Mini PCIe	
1x M.2 E-key (22 × 30mm) for wireless device	

Compatible OS	
Linux Ubuntu 16.04	
Windows® 10 Enterprise	
Wind River 8.0 & Yocto Project Linux distribution (64bit)	

内部 I/O	
1x 12V DC-IN Power Connector (2 pin)	2x USB 3.0 box header (2x 5 pin, 2.00mm)
1x PCIe x1 straddle type (optional)	1x 4 pin SATA power connector (water, 4 pin, 2.50mm)
1x SATA connector (standard, 7 pin)	3x RS232 box header (COM 2 & COM 3 & COM 4, 2x 5 pin, 2.00mm)
1x Front Panel box header (2x 5 pin, k10, 2.00mm)	1x SPDIF output box header (2x 5 pin, k4, 2.00mm)
1x eDP/LVDS box header (2x 15 pin, 2.00mm)	1x Line-out / Mic-in header (2x 5 pin, k8, 2.00mm)
1x MIPI CSI connector	1x SIM connector (2x 5pin, 2.00mm)
1x M.2 E-key slot (NGFF2230, 22 × 30mm) for wireless device	1x DIO connector (2x 5 pin, 2.00mm)
1x default Full Size Mini Card Slot (support mSATA BOM OPTION)	2x LCD Backlight control/LCD panel voltage box (2x 5 pin, 1x 6 pin, 2.00mm)



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