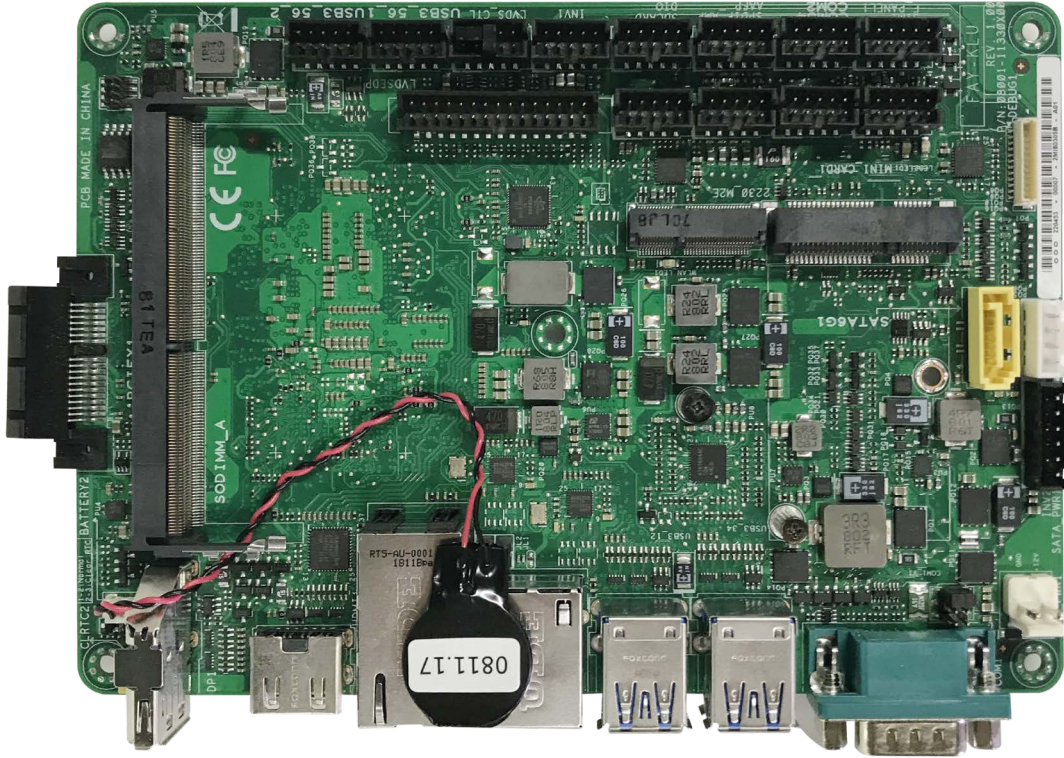


Kaby Lake U

FTi5KLU

i3 主板
i5 主板 (标准)
i7 主板

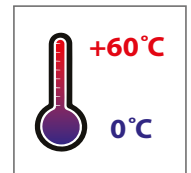
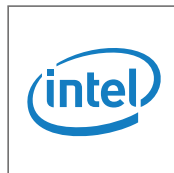
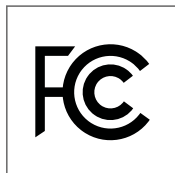
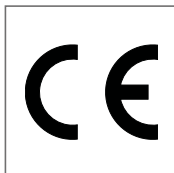
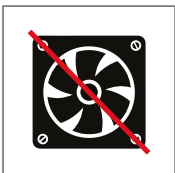


Kaby Lake U主板系列是客户的完美解决方案，可真正适应客户的系统需求。遵循最高的工业一体机标准，并提供了出色的性能。它有3个版本：

- Intel® Core™ i3-7100U Processor, with 2x 2.40 GHz
- Intel® Core™ i5-7300U Processor, with 2x 2.60 GHz (标准)
- Intel® Core™ i7-7600U Processor, with 2x 2.80 GHz

该主板系列有多个可用接口:DisplayPort, HDMI, USB 3.0, USB 2.0, RJ45, PCIe等等。具有高能效、出色的冷却性能并支持4K图形处理，是应用程序的完美解决方案。

慢慢来,围绕着Kaby Lake U主板系列设计自己的产品，它将在2023年后投入生产，寿命支持15年！



产品名称	Kaby Lake U i3 / i5 / i7
物料代码 / EAN码	FTi3KLU / 6920734095100
	FTi5KLU / 6920734095117
	FTi7KLU / 6920734095124

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)

系统	
处理器	Intel® Core™ i3-7100U processor Kaby Lake (FTi3KLU)
	Intel® Core™ i5-7300U processor Kaby Lake (FTi5KLU)
	Intel® Core™ i7-7600U processor Kaby Lake (FTi7KLU)
内存	1x SO-DIMM, max. 16 GB, DDR4 1866/2133 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 option)
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	8x Digital I/O
CAN Bus	Yes

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 with POE option)	
2x USB 3.0 (blue)	
2x USB 2.0 (black)	

扩展卡槽	
1x PCIe x1 straddle type	
1x Mini PCIE, mSATA/MINI PCIE optional, default setting as mSATA	
1x M.2 E-key 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 SATA connector (standard, 7 pin)	1x 4 pin SATA power connector (wafer, 4 pin, 2.50mm)
1x Front Panel box header (2x 5 pin, k10, 2.00mm)	3x RS232 box header (COM 2 & COM 3 & COM 4, 2x 5 pin, 2.00mm)
1x eDP/LVDS box header (2x 15 pin, 2.00mm)	1x SPDIF output box header (2x 5 pin, k4, 2.00mm)
1x Line-out / Mic-in header (2x 5 pin, k8, 2.00mm)	1x DIO connector (2x 5 pin, 2.00mm)
1x SIM connector (2x 5pin, 2.00mm)	2x LCD Backlight control/LCD panel voltage box (2x 5 pin, 1x 6 pin, 2.00mm)



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