



CBX-30A2-A100

CBX-30A2-B100

V1.0

Industrial Personal Computer BOX

CPU 飞腾D2000 8核

2.3GHz 国产高性能处理器

BOX工业计算机

1.1 产品简述 Feature

Phytium D2000 Processor, 8Core, base frequency 2.3GHz, TDP 40W
 Support 2 x DDR4-2400MHz SO-DIMM slot, up to 64GB
 Support 1 x HDMI, 1 x DP, 1 x LVDS or eDP dual-display
 4 x Giga-bit Ethernet
 4 x USB3.0 ports, 6 x USB2.0 ports
 4 x RS232/485, 8 x UART
 1 x SATA3.0, 1 x MSATA
 12V power input, lockable DC-IN Phoenix terminal block
 Support UOS or Kylin OS
 Support 1 x PCIe16 expansion

1.2 产品规格 Specification

项目		参数
处理器 Processor System	CPU	PhytiumD2000 2.3GHz TDP 40W
芯片组 Chipset	套片 Chipset	Phytium X100 TDP 15W
引导 Guide	BIOS	Phytium UEFI
内存 Memory	技术 Technology	Single Channel(Non-ECC) DDR4 2400MHz, up to 64GB
	插槽 Slot	2 x DDR4 SO-DIMM slot
存储 Storage	SATA	1 x SATA3.0 port
	MSATA	1 x MSATA(Full size)
外部接口 Rear I/O	网络 Ethernet	4 x GbE(RJ45), YT8531C & YT6801 controller
	显示 Display	1 x HDMI, resolution to 1920x1080@60Hz
		1 x DP, resolution to 1920x1080@60Hz
	USB	4 x USB3.0(5Gbps)
		6 x USB2.0
	串口 Serial Port	4 x COM(RS232/485)
内部接口 Internal I/O	音频 Audio	1 x Audio (Line out + Mic in)
	显示 Display	1 x LVDS, resolution to 1920x1080@60Hz Combo with eDP
		1 x eDP, resolution to 1920x1080@60Hz Combo with LVDS
	SATA	4 x SATA3.0 port
	串口 Serial Port	8 x TTL wafer(2*10pin-2.54)
	风扇 Fan	2 x Smart Fan wafer(1*4pin-2.54)
	GPIO	16 x GPIO Wafer(2*10pin-2.0)
	JFP1	1 x Power_LED, 1 x SATA_LED, 1 x Power_switch, 1 x Reset, Wafer(2*5pin-2.0)
扩展接口 Expansion Slots	PCIe slot	2 x PCIe X16 slot with 16Lanes-----for CBX-30A2-A100
		1 x PCIe X16 slot with 8Lanes-----for CBX-30A2-B100
电源 Power Input	输入电压 Power Supply	12VDC
	最大功耗 Power Consumption	75Watt
操作系统 OS	操作系统 OS	UOS、Kylin等国产操作系统
机构 Mechanical	重量 Weight	2.21Kg -----for CBX-30A2-A100
		2.38Kg -----for CBX-30A2-B100
	总体尺寸 Dimensions	240mm(L) x 240mm(W) x 94.7mm(H)
环境 Environmental	操作温度 Operating Temp	-10°C ~ 45°C
	存储温度 Storage Temp	-40°C ~ 80°C
	湿度 Relative Humidity	5% ~ 95%, 非凝结状态 Non-condensing

1.3 外观尺寸

CBX-30A2-A100 (PCIE 1扩)



1.4 外观尺寸

CBX-30A2-B100 (PCIE 2扩)

