

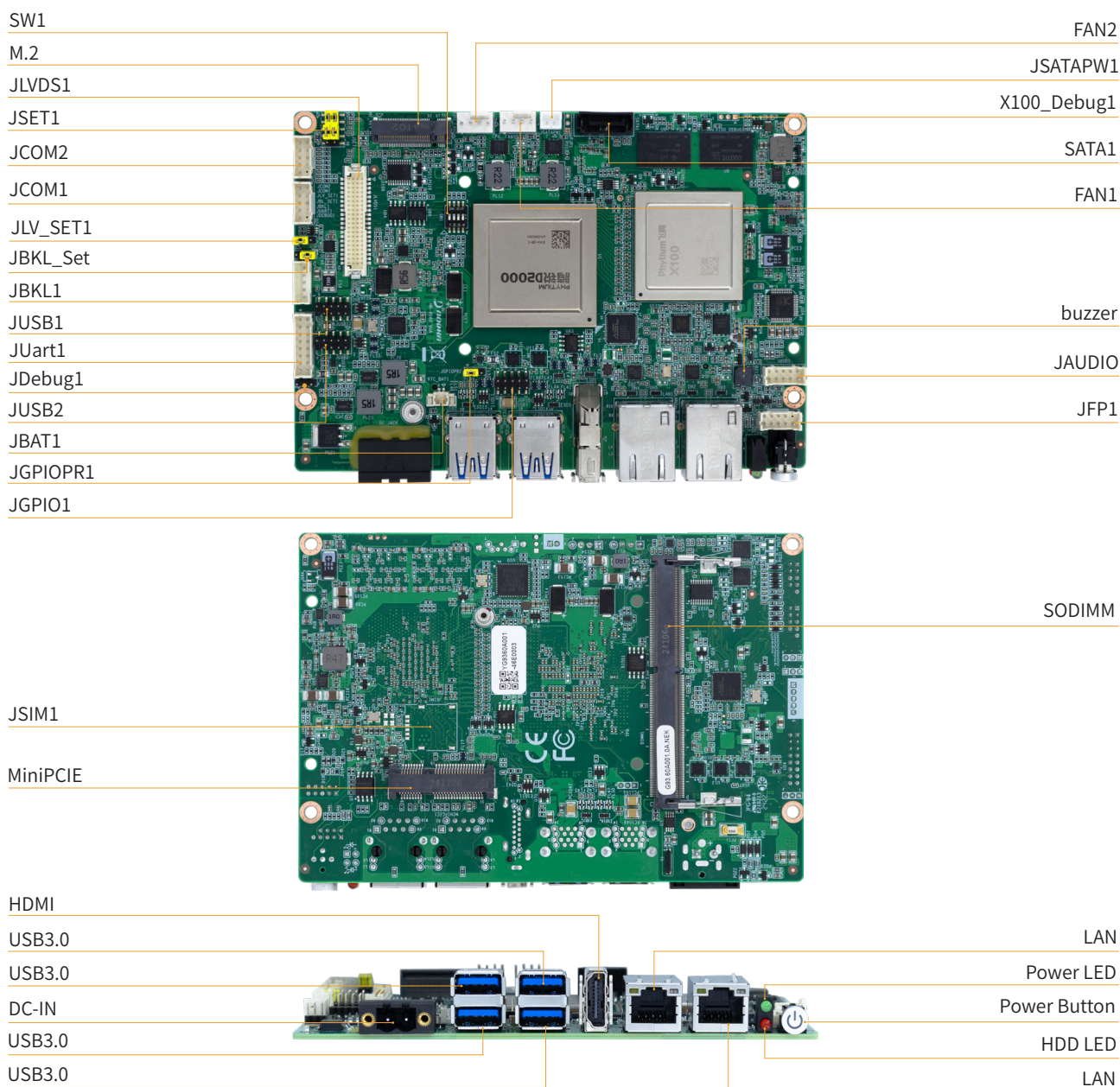
NK-60A0

3.5 inch Phytium D2000 Single Board

01 特点 Feature

- Phytium D2000 Processor, 8Core, base frequency 2.3GHz, TDP 40W
- Support 1 x DDR4-2400MHz SO-DIMM slot, up to 32GB
- Support 1 x HDMI, LVDS or eDP dual-display
- 2 x Giga-bit Ethernet
- 4 x USB3.0 ports, 4 x USB2.0 ports
- 2 x RS232/485, 7 x UART
- 1 x M.2-2280 and 1 x mini PCIe slot with nano-SIM card socket
- 12V power input, lockable DC-IN phoenix terminal block

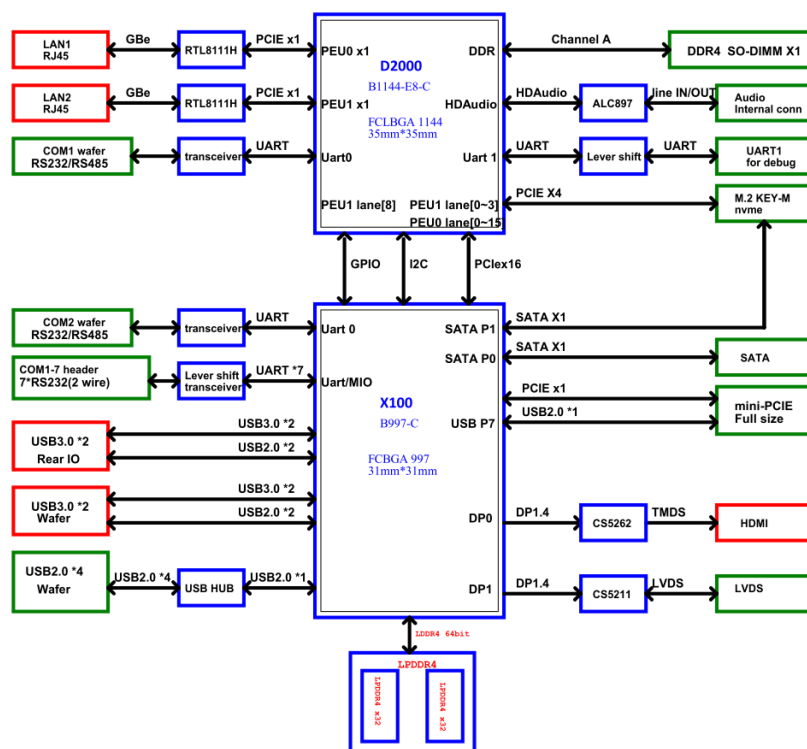
02 I/O Layout



规格 Specification

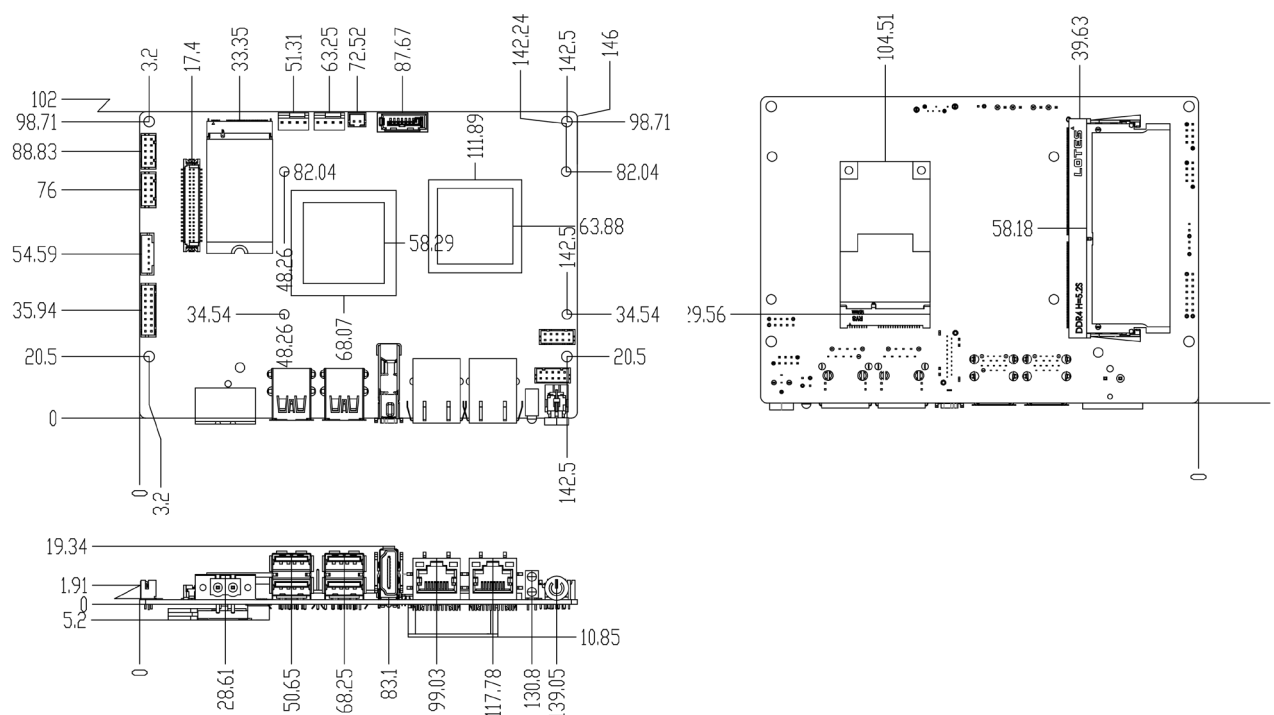
项目	参数
处理器 Processor System	CPU PhytiumD2000 2.3GHz TDP 55W
芯片组 Chipset	套片 Chipset Phytium X100,TDP 15W
引导 Guide	BIOS Phytium UEFI
内存 Memory	技术 Technology Single Channel(Non-ECC) DDR4 2400MHz, up to 32GB
	插槽 Slot 1 x DDR4 SO-DIMM slot
存储 Storage	SATA 1 x SATA3.0 port
	M.2 1 x M.2-2280 Key-M slot(SATA3.0/NVME)
外部接口 Rear I/O	显示 Display 1 x HDMI, resolution to 1920x1080@60Hz
	网络 Ethernet 2 x GbE(RJ45), Realtek 8111H controller
	USB 4 x USB3.0(5Gbps)
	开关按钮 Button 1 x Power Button(White for power on,Blink for sleep mode,Off for power off)
	指示灯 Indicators 1 x SATA LED(Red), 1 x Power LED(Green)
内部接口 Internal I/O	显示 Display 1 x LVDS, resolution to 1366x768@60Hz
	音频 Audio 1 x Audio wafer(Mic-in/Line-out, 2*5pin-2.0)
	USB 4 x USB2.0 wafer(2*4pin-2.0)
	串口 Serial Port 2 x RS232/485 wafer(2*5pin-2.0), 7 x TTL wafer(2*8pin-2.0)
	风扇 Fan 2 x Smart Fan wafer(1*4pin-2.54)
	JFP1 1 x Power_LED,1 x SATA_LED,1 x Power_switch, 1 x Reset,Wafer(2*5pin-2.0)
	GPIO 8 x GPIO Wafer(2*5pin-2.0)
	Debug 1 x RS232 Debug pin(1*3Pin-1.25)_D2000 1 x RS232 Debug pin(1*3Pin-1.25)
扩展接口 Expansion Slots	Mini-PCle slot 1 x Mini-PCle slot with Nano-SIM socket(PCle/USB2.0)
看门狗定时器 Watchdog Timer	输出 & 间隔 Output&Interval System reset, programmable from 1~255seconds
电源 Power	类型 Type 12DC input, +/-10% tolerance
	接口 Interface DC-Jack5525/1 x 2pin-5.08 phoenix terminal block
	功耗 Power Consumption 55W
操作系统 O.S Support	Linux 银河麒麟、统信 UOS
机械参数 Mechanism	尺寸 Dimensions (L)146mm x (W)102mm
	净重 Gross Weight 0.15kg
环境 Environment	温度 Temperature Operating: 0°C ~60°C with Standard Version; -20°C ~70°C with wide temperature Storage: -40°C ~85°C
	湿度 Humidity 5~95% (Non-condensing)
	振动 Vibration 5~500Hz, 3Grms operating

04 框架



机构

单位 (Unit): mm



06 订购信息 Order Information

料号 Part No.	型号 Model	描述 Description
G92.60A001.0B.NEK	NK-60A0_V0B	3.5" 飞腾 D2000-8 标准版, 支持 1*DDR4, 最大 32GB, 无存储, 支持 1*SATA/1*M.2, 12V, Standard, 1*MiniPCIE; 0~60°C

07 可选配件 Optional Accessories

料号 Part No.	名称 Part Name	描述 Description
L21.001084.00.NKC	CPU 散热片	标准品, AL6063, 24, 阳极本色, 无丝印, 100*64*24, 0.256kg
KB0.000064.00.J06	CPU 风扇	12V, 0.2A, 2.4W, 6500RPM $\pm$ 10%, 4P, 2510-4P, 23.44CFM, 44.24dBA, 60*60*15, 无, 是, L=210mm
JF7.000041.00.D03	2Pin 凤凰端子插头	JCONN Female Blocks, DINKLE, 2ESDSRM-B3350302PBK, 2P*1, 5.08mm, 180°, 带法栏
KF0.001046.00.L54	9pin_COM 口线 DB9-150mm	150mm, DB9 Connector(S), 2*5pin(2.0mm)
KF0.001049.00.L54	SATA 7+15-150mm	L=150mm, SATA 7+15P CONN, SATA 7P CONN, 1*2P(P=2)
C9Z.E20Q01.00.NDJ	3.5 寸包材组合	诺达佳, 气泡袋、隔板、内 / 外纸箱
K75.008401.00.H24	适配器	圆头, 84W, out:12V\5A, in:220V
K75.008403.00.H24	适配器	2Pin 端子, 84W, out:12V\7A, in:100-240V