



芯树智连

CHINA'S IOT COMPUTING DEVICE
CUSTOMIZATION LEADER

中国物联网计算设备定制领导者

工业边缘计算主板

XSZL-J1900

产品概述:

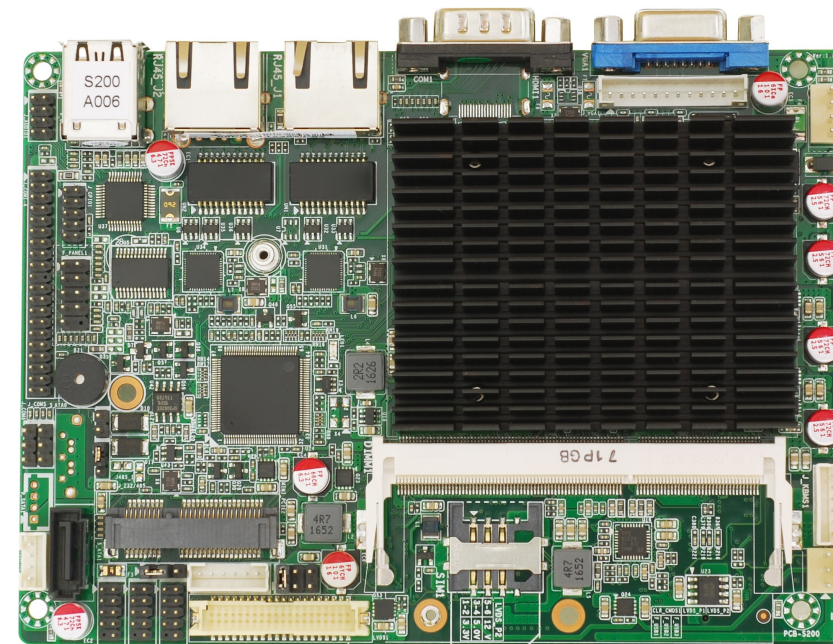
本产品为边缘计算一体机主板,基于Intel® Celeron® J1900 2M Cache, up to 2.42 GHz 设计研发,可用于边缘计算,采集。适配Windows 7/8/10, Linux, Android等操作系统,为整体方案高性能、高稳定、高可靠的平台提供保证。

应用领域:

应用于工业边缘计算,数据采集。

产品特点:

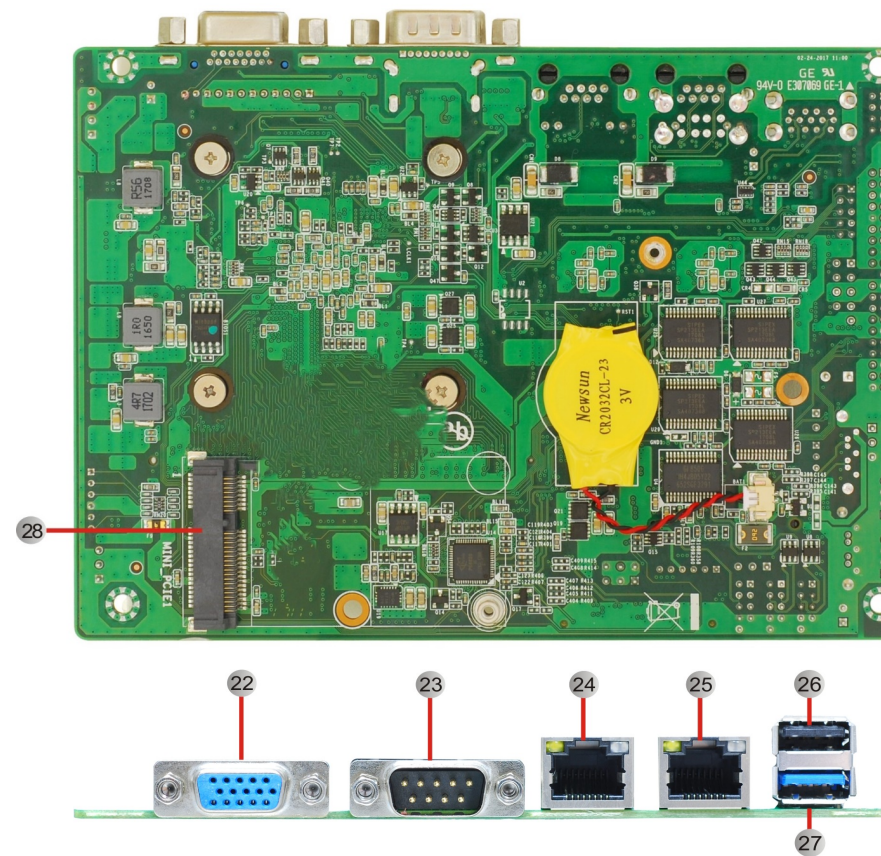
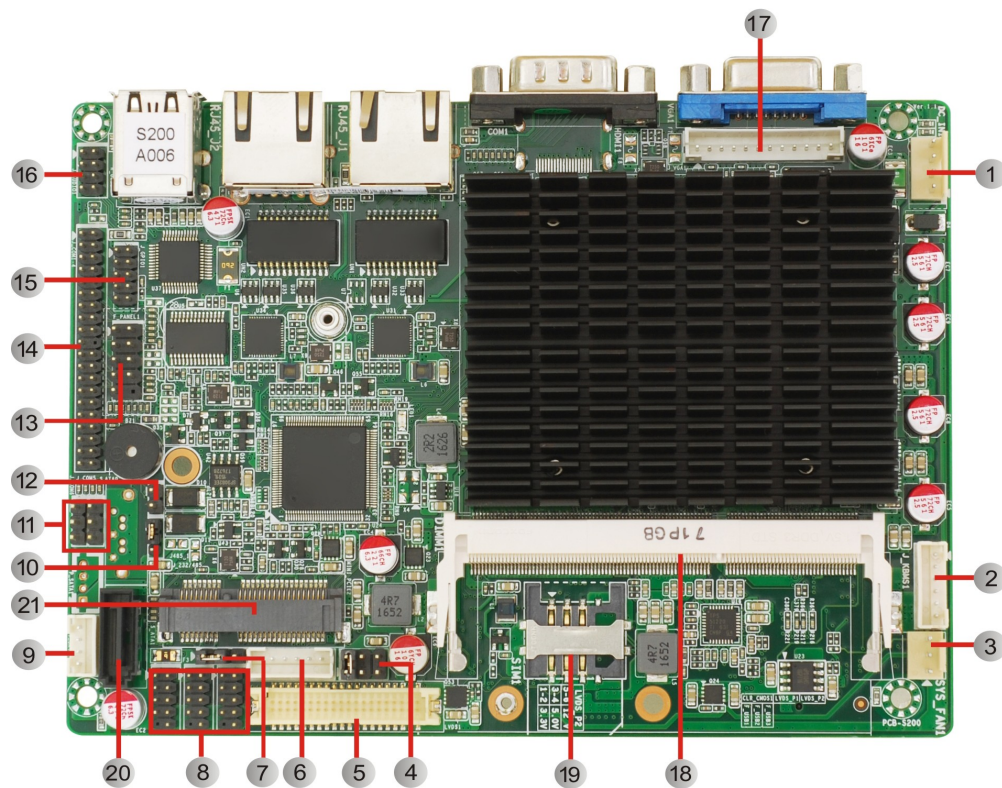
- 采用J1900 2M Cache, up to 2.42 GHz 功耗 $\leq 20W$
- 支持 8路GPIO
- DC12V 电源输入
- 符合电力3级
- 浪涌3级: 共模 1KV
- 静电放电抗扰度3级: 接触放电6KV;空气放电8KV



产品规格:

CPU	Intel® Celeron® J1900 Quad-core, clock speed 2.00G, TDP 10W
内存	1 * Support DDR3L 1333 MHz,SO-DIMM Slot, Up to 8GB
硬盘	1 * Serial ATA 2.0 Port , 1 * mSATA
显示	1 * VGA , 1 * Dual Channel 24-bit LVDS
网口	2 * Realtek GbE LAN Chip (10/100/1000Mbps)
音频	Realtek ALC662 5.1 Channel HDA Codec, Support MIC/Line-out Ports
COM	6 * RS232 插针, 1 * RS485
I/O	7 * USB: 1*Rear I/O (USB 3.0/2.0) ; 1*Rear I/O (USB 2.0) ; 5*Header(USB 2.0) 8 * GPIO ; 2 * Mini PCI-E [7] ; 1 * SIM Card Connector 1 * PS/2 1 * SYS_FAN Connectors 1 * Front Audio
供电	1 * DC12V Power Input Connector
温度范围	Operating: 0~60°C Storage: -20~75°C
系统	Windows 7/8/10, Linux, Android
BIOS	AMI UEFI BIOS (Watchdog Timer Supported)
版型	3.5 Inch (146mm * 105mm)

产品接口定义图:



产品接口定义图:

①	DC12V Power Input Connector	⑮	GPIO Pin Header
②	Keyboard and Mouse Pin Header	⑯	Audio Pin Header
③	System Fan Connector	⑰	VGA Pin Header
④	LVDS VDD Select Jumper	⑱	DDR3L SO-DIMM Slot
⑤	LVDS(24-bit Dual Channel) Connector	⑲	SIM Card Slot
⑥	LVDS Backlight Control Pin Header	⑳	SATA 2.0 Connector
⑦	CMOS Clear Jumper	㉑	Mini PCI-E2 Slot
⑧	Front USB Pin Headers	㉒	VGA Connector
⑨	SATA Power Pin Header	㉓	COM Connector
⑩	RS232/RS485 Select Jumper	㉔	LAN1 Connector
⑪	COM5-6 Pin Headers	㉕	LAN2 Connector
⑫	RS485 Header	㉖	USB 2.0 Connector
⑬	Front Panel Pin HeaderFront	㉗	USB 3.0 Connector
⑭	COM1~4 Header	㉘	Mini PCI-E1 Slot