

*单板计算机*

*工业主板*



*w w w . i e i w o r l d . c o m . c n*

IMBA-H110

双通道DDR4 2133



MHz 4 x SATA 6Gb/s

Intel®

H110

ATX 主板支持 14nm LGA1151 第六代 Intel® Core™ i7/i5/i3, Celeron® 和 Pemtium® 处理

器, DDR4, 双显 DVI-I/HDMI/iDP, dual Intel® GbE LAN, USB 3.1 Gen 1 (5Gb/s), SATA 6Gb/s, HD 音频 和 RoHS

|  |  |  |
| --- | --- | --- |
| PCIe Mini（支持mSATA） | 支持多个 PCI 扩展卡 |  |
|  |  | PCI卡 | 扩展插槽 |  |
|  |  | 前面板 |  |  |
|  |  |  |  |



USB 2.0

USB 2.0

DIO

RS-232



TPM

LPT



XYZ机器 生产线 自动化测试机

LAN1



|  |  |  |  |
| --- | --- | --- | --- |
|  |  | KB/MS DVI-I 2 x RS-232 | LAN2 |
| iDP | PCIe x16 | 6 x PCI |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- |
| *产品规格* |  |  |  |  |
| CPU |  |  |  |  |
| LGA1151 插槽支持第六代 Intel® Core ™ i7/i5/i3, Celeron® 和 Pentium® 处理器 | HDMI | 4 x USB 3.1 |  |  |
| 芯片组 |  |  |
| Intel® H110 | 2 x USB 2.0 |  | 音频 |  |
| 内存 |  |  |  |  |
| 两个 288-pin 2133 MHz 双通道 DDR4 SDRAM 无缓冲 DIMMs 最高支持 64 GB |  |  |  |  |
| BIOS |  |  | USB |  |
| UEFI BIOS |  |  |  |
| 图形引擎 |  |  |  |  |
| Intel® HD 显卡 Gen 9 engine 以及 16 低功耗执行单元 支持 DX2015, OpenGL 5.X 和 | DDR4 2133 | mSATA | USB 3.1SATA 6Gb/sPCIe GbE |  |
| OpenCL2.x, ES 2.0 | *产品特征* |  |  |  |
| 显示输出 |  |  |  |
| 独立双显 |  |  |  |  |



1 x DVI-I ( 最高达 1920x 1200@60Hz)

1 x HDMI 1.4 ( 最高达 3840x2160@60Hz)

1 x iDP interface for HDMI, LVDS, VGA, DVI, DP ( 最高达 1920x1200@60Hz)

 网络

LAN1: Intel® I219LM PCIe 控制器

LAN2: Intel® I211 PCIe 控制器

外部 I/O 接口

4 x USB 3.1

2 x USB 2.0

2 x RS-232

内部 I/O 接口



1 x KB/MS (1x6 pin) 2 x RS-232 (2x5 pin, P=2.54)

1 x LPT (2x13 pin, P=2.54) 2 x USB 2.0 (2x4 pin, P=2.54)

1 x RS-232/422/485 (2x5 pin, P=2.54) 4 x SATA 6Gb/s

1 x USB 2.0 (180° Type-A)

SMBus



1 x SMBus (1x4 pin)

I²C



1 x I²C (1x4 pin)

TPM



1 x TPM (2x10 pin)

音频



Realtek ALC662 HD 支持编解码器 5.1- 通道

3 x 音频插孔 ( 音频输出 , 音频输入 , 麦克风输入 ) on rear IO

1 x 前置音频 (2x5 pin)

前面板



1 x 前面板 (2x7 pin, 电源 LED, HDD LED, 扬声器 , 电源按钮 , 复位按钮 )

LAN LED: 2 x LAN LED (1x2 pin)

扩展



1 x 全长 PCIe Mini 卡插槽 ( 支持 mSATA)

1 x PCIe x16 插槽 (Gen3)

6 x PCI 插槽

看门狗定时器 : 软件可编程支持 1~255 秒系统复位



 数字 I/O: 8-bit 数字 I/O (2x5 pin)

风扇接口



1 x CPU 风扇 (1x4 pin)

2 x 系统风扇接口 (1x3 pin)

 电源 : ATX/AT 电源

功耗



3.3V@1.53A, 5V@2.95A, 12V@8.38A, 5VSB@3.2A

(Intel® Core ™ i7 6700K 4.0GHz CPU 以及 16GB ( 两根 8GB) 2133 MHz DDR4 内存）  工作温度 : -20°C ~ 60°C

 存储温度 : -30°C ~ 70°C

 工作湿度 : 5% ~ 95%, 无冷凝

 尺寸 : 244mm x 305mm

 重量 : GW: 1200g / NW: 700g

CE/FCC 标准

* 支持 LGA1151 第六/七代 Intel® Core™ i7/i5/i3, Celeron® and Pentium® 处理器
* 双通道 DDR4 2133 MHz
* 支持双显 DVI-I/HDMI/iDP
* 支持 USB 3.0 和 SATA 6Gb/s
* IEI 一键恢复解决方案可快速创建 OS 备份和恢复

*包装清单*

|  |  |
| --- | --- |
| 1 x IMBA-H110 single board computer | 2 x SATA cable |
| 1 x I/O shielding | 1 x QIG |
|  |  |

*订购信息*



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| 料号 | 描述 |  |
|  | ATX motherboard supports 14nm LGA1151 6th Generation Intel® |  |
| IMBA-H110-R10 | Core™ i7/i5/i3, Celeron® and Pemtium® processor, DDR4, dual |  |
| independent displays DVI-I/HDMI/iDP, dual Intel® GbE LAN, |  |
|  |  |
|  | SATA 6Gb/s, USB 3.0, HD Audio and RoHS |  |
|  | ATX motherboard supports 14nm LGA1151 6th Generation Intel® |  |
| IMBA-H110-ECO-R10 | Core™ i7/i5/i3, Celeron® and Pemtium® processor, DDR4, dual |  |
| independent displays DVI-I/HDMI/iDP, dual Intel® GbE LAN, |  |
|  |  |
|  | SATA 6Gb/s, USB 3.0, HD Audio, ECO packing and RoHS |  |
| 19800-000049-RS | LPT flat cable, 240mm, P=2.54 |  |
| 19800-000075-RS | PS/2 KB/MS cable with bracket, 220mm, P=2.0 |  |
| 19800-020100-100-RS | RS-232 cable, 230mm, P=2.54 |  |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |  |
| CF-1156C-R20 | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 45W |  |
| CF-1156D-R20 | LGA1155/LGA1156 cooler kit, 1U chassis compatible, 65W |  |
| CF-115XE-R10 | High performance LGA1155/LGA1156 cooler kit, 95W |  |
| DP-DP-R10 | DisplayPort to DisplayPort converter board (for IEI iDP connector) |  |
| DP-DVI-R10 | DisplayPort to DVI-D converter board (for IEI iDP connector) |  |
| DP-HDMI-R10 | DisplayPort to HDMI converter board (for IEI iDP connector) |  |
| DP-LVDS-R10 | DisplayPort to 24-bit dual-channel LVDS converter board |  |
| (for IEI iDP connector) |  |
|  |  |
| DP-VGA-R10 | DisplayPort to VGA converter board (for IEI iDP connector) |  |
| TPM-IN02-R20 | 20-pin Infineon TPM 2.0 module, software management tool, |  |
| firmware v5.5 |  |
|  |  |



IMBA-H110-2019-V10