

*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*

|  |  |  |  |
| --- | --- | --- | --- |
| IMB-H110 | SATA 6Gb/s, HD 音频和 RoHS | Intel® Core™ i7/i5/i3, Pentium® or Celeron® processor, |  |
|  | microATX主板支持 14nm LGA1151 |  |

DDR4, Dual Independent Displays VGA/ DVI-I/LVDS, Dual GbE LAN, USB 3.1Gen 1 (5Gb/s),

|  |  |  |
| --- | --- | --- |
| 双通道 DDR4 2133 | 4 x SATA 6Gb/s 全尺寸PCIe Mini |  |
| MHz |  |

TPM

前面板

USB

Intel ®

H110 LPT

DIO

12 x COM

LVDS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | 1 x PCIe x16 |  | 1 x PCIe x1 |  |
|  |  |  |
| iDP |  |  | 2 x PCI |  |

*产品规格*

CPU

LGA1151 插槽支持 第六代 Intel® Core ™ i7/i5/i3, Celeron®, and Pentium® 处理器

 芯片组

Intel® skylake H110

内存



Two 288-pin 2133MHz 双通道 DDR4 SDRAM 无缓冲 DIMM 最高支持 64GB BIOS

UEFI BIOS

图形引擎



Intel® HD 显卡 Gen 9 Engines with 16 低功耗执行单元 , 支持 DX2015, OpenGL 5.X 以

* OpenCL2.x, ES 2.0

 显示输出

独立双显

1 x VGA ( 最高达 1920x1200@60Hz)

1 x DVI-I ( 最高达 1920x1200@ 60Hz)

1 x 18/24-bit 双通道 LVDS ( 最高达 1920x1200@60Hz)

1 x iDP 接口用于 HDMI, LVDS, VGA, DVI, DP ( 最高达 1920x1200@60Hz)

网络

LAN1: RTL 8111GN 控制器

LAN2: RTL 8111GN 控制器外部 I/O 接口

4 x USB 3.1

6 x USB 2.0

内部 I/O 接口



1 x KB/MS (1x6 pin) 2 x RS-232/422/485 (2x5 pin, P-=2.0)

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

4 x SATA 6Gb/s 10 x RS-232 (2x5 pin, P=2.0)

SMBus



1 x SMBus (1x4 pin)

TPM



1 x TPM (2x10 pin)

音频



Realtek ALC662 HD 音频编解码器支持 5.1-channel

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 , 重启按钮 )

LAN LED



2 x LAN LED (1x2 pin)

I²C



1 x I²C (1x4 pin)

扩展



1 x PCIe x16 插槽 (Gen3) 1 x 全 / 半长 PCIMini 卡插槽

1 x PCIe x1 插槽 (Gen2) 2 x PCI 插槽

 看门狗定时器

软件可编程并支持 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 智能风扇 (1x4 pin)

1 x 系统风扇 (1x3 pin)

 电源 : ATX/AT 电源

功耗



3.3V@ 0.93A, 5V@2.99A, 12V@6.88A, 5VSB@0.02A (Intel® Core ™ i7-6700K 4.0GHz CPU 以及 16GB ( 两个 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% ~ 9%, 无冷凝

 重量 : GW: 1200g / NW: 700g

 CE/FCC 标准

支持多个PCI 扩展卡

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | ATM |  |  |  |  |  |  |  |  |  |
|  |  |  | POS |  |  |  |  |  |
|  | Kiosk |  |  |  |  |  |  | 12 COM & 12 USB |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  | 2 x USB 2.0 |  |  |  |  |  |
| VGA |  |  | LAN1 | LAN2 |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
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DVI-I 4 x USB 2.0 4 x USB 3.1 Gen 1 音频



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Native* | *3* |  |  | USB |  |  |
| PCIe |  | 4 2133 | 6 |  |
| Gen. |  | Dual Display USB 3.1 |  |
|  |  | DDR |  | SATA Gb/s PCIe GbE |  |

*产品特征*

* 支持第六/七代 LGA1151 Intel® Core™ i7/i5/i3, 奔腾®或赛扬®处理器
* 双通道 DDR4 2133MHz 最高支持 64GB
* 支持双显 VGA/DVI-I/LVDS
* 支持 USB 3.0 and SATA 6Gb/s
* 12 COM & 12 USB
* 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 IMB-H110 motherboard | 2 x SATA cable |
| 1 x I/O shielding | 1 x QIG |
|  |  |

*订购信息*



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| --- | --- | --- |
| 料号. | 描述 |  |
|  | microATX motherboard supports 14nm LGA1151 Intel® Core***™*** |  |
| IMB-H110-R10 | i7/i5/i3, Pentium***®*** or Celeron***®*** processor supported, DDR4, Dual |  |
| independent displays VGA/DVI-I/LVDS, Dual GbE LAN, USB 3.1 |  |
|  |  |
|  | Gen 1 (5Gb/s), SATA 6Gb/s, HD Audio and RoHS |  |
|  | microATX Motherboard supports 14nm LGA1151 6th Generation |  |
| IMB-H110-ECO-R10 | Intel® Core***™*** i7/i5/i3, Pentium® or Celeron® processor per |  |
| Intel® H110, DDR4, VGA/DVI-I/LVDS, Dual GbE LAN, USB 3.1 |  |
|  |  |
|  | Gen 1 (5Gb/s), SATA 6Gb/s, 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 |  |
| 19800-000200-100-RS | RS-232 cable with bracket, Dual 10-pin to dual DB-9, 300mm, |  |
| P=2.0 |  |
|  |  |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |  |
| CF-115XA-R10 | High performance LGA1155/LGA1156 cooler kit, 1U chassis |  |
| compatible, 73W |  |
|  |  |
| 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 |  |
|  |  |



IMB-H110-2019-V10