

*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-H610

ATX 主板支持 LGA1155 Intel® Core™ i 7/i5/i3/Pentium®/Celeron® CPU 以及 Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe GbE, SATA 3Gb/s, USB 2.0, HD 音频

* RoHS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 双通道 DDR3 |  |  |  | I²C | 4 x SATA 3Gb/s |  |  |  |  |  |  |  |  |  |  |
| 1333/1066 MHz |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 前面板 |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SMBus |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Intel® |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | TPM |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | H61 |  |  |  |  |  |  |  |  |  |  |  | RS-422/485 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 6 x USB 2.0 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 x RS-232 |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 x PCIe x1 | VGA |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | LPT |  |  |  |  |  |  | 支持 TPM 1.2 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RS-232 |  |  |  | 双局域网 |  |
|  | LAN1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DIO |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *产品特征* | PCIe x16 4 x PCI |  | 前置音频 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 x USB 2.0 |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | KB/MS | DVI-D |  |  | 音频 |  |  |



* 支持 LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® 处理器
* 高达 32GB 1333 MHz 双通道 DDR3 SDRAM
* Intel® HD 显卡技术集成了高性能的图形和媒体处理器
* TPM 模块硬件加密支持TPM V1.2
* IEI 一键恢复解决方案可快速创建 OS 备份和恢复

*产品规格*

|  |  |  |
| --- | --- | --- |
| CPU | 外部 I/O 接口 |  |
| LGA1155 插槽支持 Intel® Core™ i7/i5/i3/ | 1 x KB/MS 2 x RS-232 4 x USB 2.0 |  |
| Pentium®/Celeron® 处理器 | 内部 I/O 接口 |  |
| 芯片组: Intel® H61 | 1 x KB/MS (1x6 pin) |  |
| 内存 | 1 x LPT(2x13 pin, P=2.54) |  |
| 两个 240-pin 1333/1066 MHz 双通道 DDR3 | 1 x RS-422/485 (1x4 pin, P=2.0) |  |
| SDRAM 无缓冲 DIMMs 最高支持 16 GB | 4 x RS-232 (2x5 pin, P=2.54) |  |
| BIOS: UEFI BIOS | 4 x SATA 3Gb/s (AHCI supported) |  |
| 网络 | 6 x USB 2.0 (2x4 pin, P=2.54) |  |
| LAN1: 支持 Realtek RTL8111E PCIe GbE 控制器 | 前面板 |  |
| 以及 ASF 2.0 | 1 x 前面板 (2x7 pin, 电源 LED, HDD LED, 扬声器, |  |
| LAN2: 支持 Realtek RTL8111E PCIe GbE 控制器 | 电源按钮, 复位按钮) |  |
| 图形引擎 | 扩展 |  |
| Intel® HD Graphics 2000/3000 (基于 CPU型号) | 1 x PCIe x16 插槽2 x PCIe x1插槽 |  |
| 支持 DX10.1 以及 OpenGL 3.0 | 4 x PCI 插槽 |  |
| Full MPEG2, VC1, AVC 解码 | 看门狗定时器: 看门狗定时器 |  |
| 显示输出 | 软件可编程支持 1~255 秒系统复位 |  |
| 支持双显 | 风扇接口 |  |
| 1 x VGA (最高达 2048x1536@75Hz) | 1 x CPU 智能风扇 (1x4 pin) |  |
| 1 x DVI-D (最高达 1920x1200@60Hz) | 2 x 系统风扇 (1x3 pin) |  |
| 音频 | 电源 : ATX 电源 |  |
| Realtek ALC662 HD 编解码器支持 5.1-channel | 功耗 |  |
| 3 x 音频插孔 (音频输出, 音频输入, 麦克风输入) | 3.3V@1.27A, 5V@3.87A, 12V@0.54A, |  |
| on rear IO | Vcore@7.67A, 5VSb@0.15A (Intel® Core™ i7- |  |
| 1 x 前置音频 (2x5 pin) | 2600K 3.40GHz CPU 以及两个 1333 MHz 2 GB |  |
| TPM: 1 x TPM (2x10 pin) | DDR3 内存) |  |
| SMBus: 1 x SMBus (1x4 pin) | 工作温度 : -10°C ~ 60°C |  |
| I²C: 1 x I²C (1x4 pin) | 存储温度: -20°C ~ 70°C |  |
| 数字 I/O: 8-bit 数字 I/O (2x5 pin) | 工作湿度: 5% ~ 95%, 无冷凝 |  |
|  | 尺寸: 244 mm x 305 mm |  |
| *包装清单* | 重量 : GW: 1200g / NW: 700g |  |
| CE/FCC 标准 |  |
| 1 x IMBA-H610 single board computer |  |  |
| 4 x SATA cable | 1 x Mini jumper pack |  |
| 1 x I/O shielding | 1 x QIG |  |



IMBA-Q670-R30



ATX 主板支持 LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® CPU 以及 Intel®

Q67, DDR3, VGA/DVI-D/HDMI, dual Intel® PCIe GbE, USB 3.1Gen 1 (5Gb/s), SATA 6Gb/s, HD 音频和 RoHS

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 双通道 DDR3 |  |  |  |  | 4 x SATA 3Gb/s |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1333/1066 MHz |  | 2 x SATA 6Gb/s | 前面板 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | SMBus |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | I²C |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Intel® |  |  |  | 8 x USB 2.0 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | TPM |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | Q67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | RS-232 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RS-422/485 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 x RS-232 |  |  |  |  | TPM 1.2 Support |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | RS-232 VGA |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 双局域网 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | LPT |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | LAN1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | DIO |  |  |  |  | 音频 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | PCIe x16 | 前置音 | PCIe x1 | KB/MS HDMI DVI-D |  |  | 2 x USB 3.1 |  |
|  |  |  |  |  | 频 |  |  |  |
| *产品特征* |  | 4 x PCI |  |  |  |  | PCIe x4 |  |  |  | 2 x USB 2.0 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |



* 支持 LGA1155 Intel® Core™ i7/i5/i3/Pentium®/Celeron® 处理器
* 高达 32 GB 1333 MHz 双通道 DDR3 SDRAM
* 支持 Intel® PCIe GbE 以及 Intel® AMT 7.0
* 支持 USB 3.0 以及 SATA 6Gb/s
* IEI 一键恢复解决方案可快速创建 OS 备份和恢复

*产品规格*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | CPU |  | 1 x KB/MS | 2 x USB 2.0 |  |
|  |  | 1 x RS-232 | 2 x USB 3.1 |  |
|  | LGA1155 插槽支持 Intel® Core™ i7/i5/i3/ |  |
|  | 内部 I/O 接口 |  |
|  | Pentium®/Celeron® 处理器 |  |  |
|  |  | 1 x KB/MS (1x6 pin) |  |
|  | 芯片组: Intel® Q67 |  |  |
|  |  | 1 x LPT (2x13 pin, P=2.54) |  |
|  | 内存 |  |  |
|  |  | 1 x RS-422/485 (1x4 pin, P=2.0) |  |
|  | 四个 240-pin 1333/1066 MHz | 双通道 DDR3 |  |
|  | 2 x SATA 6Gb/s (RAID 0/1/5/10 supported) |  |
|  | SDRAM 无缓冲 DIMMs最高支持 32 GB |  |
|  | 4 x RS-232 (2x5 pin, P=2.54) |  |
|  | BIOS: UEFI BIOS |  |  |
|  |  | 4 x SATA 3Gb/s (RAID 0/1/5/10 supported) |  |
|  | 网络 |  |  |
|  |  | 8 x USB 2.0 (2x4 pin, P=2.54) |  |
|  | LAN1: Intel® 82583V PCIe 控制器 |  |
|  | 扩展 |  |  |
|  | LAN2: 支持 Intel® 82579 PHY with Intel® AMT |  |  |
|  | 1 x PCIe x16 插槽 |  |
| 7.0 |  |  |
|  | 1 x PCIe x1 插槽 |  |
|  | 图形引擎 |  |  |
|  |  | 1 x PCIe x4 插槽 |  |
|  | 支持 DX10.1 以及 OpenGL3.0 |  |
|  | 4 x PCI 插槽 |  |  |
|  | Full MPEG2, VC1, AVC解码 |  |  |  |
|  |  | 看门狗定时器: 软件可编程并支持1~255 秒系 |  |
|  | 显示输出 |  |  |
|  |  | 统复位 |  |  |
|  | 独立双显 |  |  |  |
|  |  | 风扇接口 |  |  |
|  | 1 x VGA (最高达 2048x1536@75Hz) |  |  |
|  | 1 x CPU 智能风扇 (1x4 pin) |  |
|  | 1 x HDMI (最高达 1920x1200@60Hz) |  |
|  | 2 x 系统风扇 | (1x3 pin) |  |
|  | 1 x DVI-D (最高达1920x1200@60Hz) |  |
|  | 电源 : ATX/AT 电源 |  |
|  | 音频: Realtek ALC662 HD 音频编解码器 |  |
|  | 功耗 |  |  |
|  | 3 x 音频插孔 (音频输出, 音频输入,麦克风输入) |  |  |
|  | 3.3V@1.65A, 5V@6.31A , 12V@0.18A, |  |
|  | on rear IO |  |  |
|  |  | Vcore@7.88A, 5VSb@0.15 (Intel® Core™ i5- |  |
|  | 1 x 前置音频 (2x5 pin) |  |  |
|  |  | 2400 3.10GHz CPU 以及四个 4 GB 1333 MHz |  |
|  | TPM: 1 x TPM (2x10 pin) |  |  |
|  |  | DDR3 内存) |  |  |
|  | SMBus: 1 x SMBus (1x4 pin) |  |  |  |
|  |  | 工作温度 : -10°C ~ 60°C |  |
|  | I²C: 1 x I²C (1x4 pin) |  |  |
|  |  | 存储温度: -20°C ~ 70°C |  |
|  | 数字 I/O: 8-bit 数字 I/O (2x5 pin) |  |
|  | 工作湿度: 5% ~ 95%, 无冷凝 |  |
|  | 外部 I/O 接口 |  |  |
|  |  | 尺寸: 244mm x 305mm |  |
| *包装清单* |  |  |
|  | 重量 : GW: 1200g / NW: 700g |  |
|  |  |  | CE/FCC 标准 |  |
|  | 1 x IMBA-Q670 single board computer |  |  |  |
|  | 1 x I/O shielding |  | 1 x Mini jumper pack |  |
|  | 4 x SATA cable |  | 1 x QIG |  |  |



*订购信息*



|  |  |  |
| --- | --- | --- |
| 料号 | 描述 |  |
|  | ATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/ |  |
| IMBA-H610-R10 | Celeron® CPU with Intel® H61, DDR3, VGA/DVI-D, dual Realtek PCIe |  |
|  | GbE, USB 2.0, SATA 3Gb/s, HD Audio and RoHS |  |
| 19800-000049-RS | LPT flat cable, 240mm, P=2.54 |  |
| 19800-003100-100-RS | Dual port USB cable with bracket, 300mm, P=2.54 |  |
| 19800-020100-100-RS | RS-232 cable with bracket, Dual 10-pin to dual DB-9, 230mm, P=2.54 |  |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |  |
| 32205-003800-300-RS | RS-422/485 cable, 200mm, P=2.0 |  |
| CF-115XA-R10 | High-performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, |  |
| 73W |  |
|  |  |
| 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 |  |
| CPU-DT-C-G440 | Intel® Celeron® G440 processor, LGA1155, single core 1.6GHz, 1M cache, |  |
| 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i3-2120T | Intel® Core™ i3-2120T processor, LGA1155, dual core 2.6GHz, 3M cache, |  |
| 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i5-2390T | Intel® Core™ i5-2390T processor, LGA1155, dual core 2.7GHz, 3M cache, |  |
| 35W, AMT, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i5-2500T | Intel® Core™ i5-2500T processor, LGA1155, quad core 2.3GHz, 6M cache, |  |
| 45W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-P-G630T | Intel® Pentium® G630T processor, LGA1155, dual core 2.3GHz, 3M cache, |  |
| 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| TPM-IN01-R20 | 20-pin Infineon TPM module, software management tool, firmware v3.17 |  |

*订购信息*



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| 料号 | 描述 |  |
|  | ATX motherboard supports LGA1155 Intel® Core™ i7/i5/i3/Pentium®/ |  |
| IMBA-Q670-R30 | Celeron® CPU with Intel® Q67, DDR3, VGA/DVI-D/HDMI, dual Intel® |  |
|  | PCIe GbE, USB 3.0, SATA 6Gb/s, HD Audio and RoHS |  |
| 19800-000049-RS | LPT flat cable, 240mm, P=2.54 |  |
| 19800-003100-300-RS | Dual port USB cable with bracket, 300mm, P=2.54 |  |
| 19800-020100-100-RS | RS-232 cable with bracket, Dual 10-pin to dual DB-9, 230mm, P=2.54 |  |
| 32102-000100-200-RS | SATA power cable, MOLEX 5264-4P to SATA15P |  |
| 32205-003800-300-RS | RS-422/485 cable, 200mm |  |
| CF-115XA-R10 | High-performance LGA1155/LGA1156 cooler kit, 1U chassis compatible, |  |
| 73W |  |
|  |  |
| 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 |  |
| CPU-DT-C-G440 | Intel® Celeron® G440 processor, LGA1155, single core 1.6GHz, 1M |  |
| cache, 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i3-2120T | Intel® Core™ i3-2120T processor, LGA1155, dual core 2.6GHz, 3M |  |
| cache, 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i5-2390T | Intel® Core™ i5-2390T processor, LGA1155, dual core 2.7GHz, 3M |  |
| cache, 35W, AMT, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-i5-2500T | Intel® Core™ i5-2500T processor, LGA1155, quad core 2.3GHz, 6M |  |
| cache, 45W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| CPU-DT-P-G630T | Intel® Pentium® G630T processor, LGA1155, dual core 2.3GHz, 3M |  |
| cache, 35W, compatible with CF-1156C-R20 CPU cooler |  |
|  |  |
| TPM-IN01-R20 | 20-pin Infineon TPM module, software management tool, firmware v3.17 |  |



IMBA-H610-2019-V10