

***工业系统***

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



TANK-801-BT ■ Intel® Celeron® J1900 2 GHz, 10W ■ 支持 3 种不同类型的扩展底板



*特征*

● Intel® Celeron® J1900 2 GHz, 10W

● 16-bit 数字 I/O, 8-bit 输入/8-bit 输出

● 1 x DVI-I

1 x DisplayPort

● 多种扩展类型：

* + 3A : 1个 PCIe x1 + 2个 x PCI
  + 3B: 2个 PCIe x1 + 1个 x PCI
  + 3C: 3个 x PCI
* Dual DC 电源输入

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fanless -20**°**C~60**°**C** | **9~36V** | **Dual LAN DisplayPort** | **1.35V** |  |
| **DV Input** | **DDR3L** |  |

*加强视觉体验*



**Virtual Machines**

**App** **App** **App**

**OS** **OS** **OS**

**Intel® VT-x**

|  |  |  |
| --- | --- | --- |
| 支持 Intel® Virtualization 技术 | 自动化 | Video HD Technology |
|  |  | Spectacular HD Playback |

*Intel® Bay Trail 解决方案*

Intel® Bay-Trail SoC ( 系统芯片 ) 集成 CPU 和显卡。有了 Gen 7 显卡和 DX11 全高清支持，TANK-801-BT 是视觉应用的理想解决方案。

* Intel® Bay Trail 平台转换



**Intel**® **Celeron**® **Processor 807E/847E/1007UE**

**Intel**® **Atom**™

**Processor**

**D2xxx/N2xxx**

**Key Platform Transition**

SoC platform ***(2 chip to 1 chip)***

**22nm** processor technology

**NEW:**

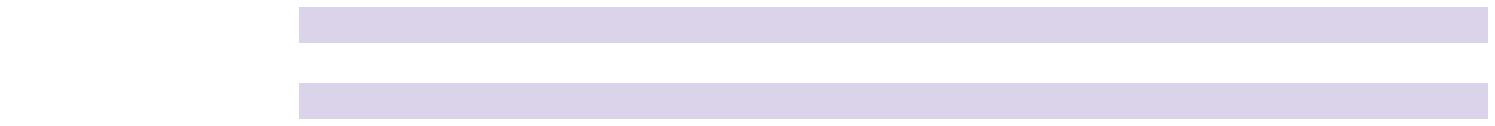
Quad-core CPU with Intel® Turbo Burst Technology

**NEW:**

Intel® Gen7 Graphics (based on 3rd generation Intel® Core™ processor with Intel® HD Graphics 4000) with HW encode support

|  |  |  |
| --- | --- | --- |
| **Bay Trail SoC** | **Bay** |  |
| **Trail** |  |
|  |  |
| **Productivity** | Up to |  |
| **Workload** | **2x** |  |
| **3D** | Up to |  |
| **Performance** | **3x** |  |

* Intel® Bay Trail 显卡和媒体特征



|  |  |  |
| --- | --- | --- |
| **3D Graphics** | DX11.1, OGL 4.0, OGL ES 2.0, OVG 1.1 |  |
| **Video Decode** |  |  |
| H.264, MPEG2, MPEG4, VC1/WMV9, VP8 up to 1080p decode |  |
| **Video Encode** | H.264, MPEG2 |  |
|  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *多元化的扩展接口* | |  |  |  |  |  | *易安装* |  |  |  |
|  |  |  |  |  |  |  |  |
| TANK-801 系列有三种不同的 PCI 和 PCIe 插槽可供扩展选择。用 | | | | |  |  | 用户通过移动 TANK-801 的顶盖可以便捷地安装 SO-DIMM，PCIe | |  |  |
| 户可以根据自己的应用选择合适的型号。 | | |  |  |  |  | Mini 卡 和扩展卡。顶盖上有一个 2.5" SATA HDD/SSD bay，方便 | |  |  |
|  |  |  |  |  |  |  | 用户维护系统。 | |  |  |
| **Backplane** |  |  | **TANK-801** | |  |  |  |  |  |  |
|  | **Slot type** |  | **Signal** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **HPE-3S6 (2P1E)** | | PCI |  | PCI |  |  |  |  |  |  |
| PCIe x16 |  | PCIe x1 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | PCI |  | PCI |  |  |  |  |  |  |
| **HPE-3S7 (1P2E)** | | PCIe x4 |  | PCIe x1 |  |  | **2.5'' SATA 6Gb/s** | |  |  |
|  |  | PCIe x16 |  | PCIe x1 |  |  |  |  |
| **HPE-3PCI** | | PCI |  | PCI |  |  | **HDD/SSD bay** | |  |  |
|  |  |  |  |  |  |  |



**TANK-801-BT-2019-V10** **10-47**

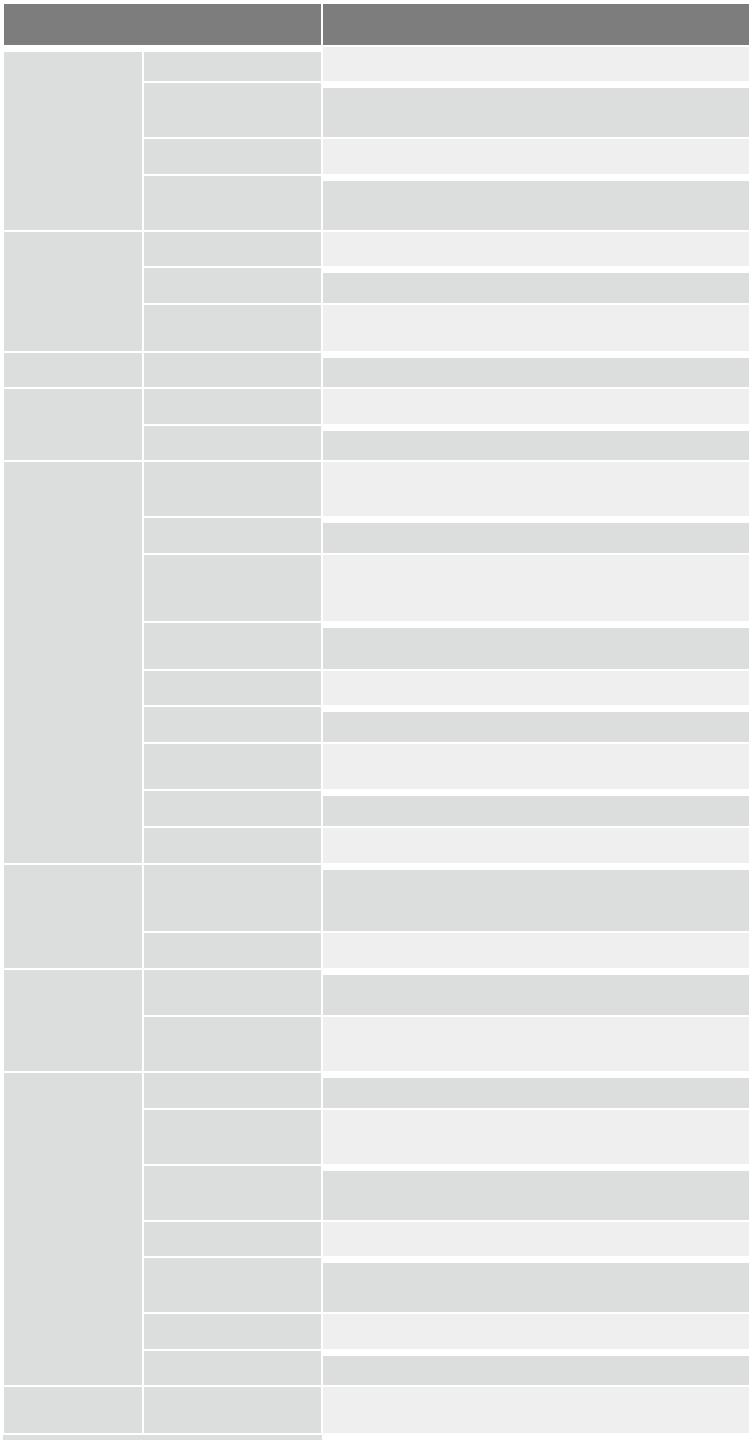


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| --- | --- | --- |
| ***工业系统*** |  |  |
| *规格* |  |  |
| 型号 |  |  |
|  | 颜色 |  |
|  | 尺寸 (WxDxH) (mm) |  |
| 机身 | 系统风扇 |  |
|  |  |
|  | 材质 |  |
|  | **CPU** |  |
| 主板 | 芯片组 |  |
|  |  |
|  | 系统内存 |  |
| **IPMI** | iRIS 解决方案 |  |
| 存储 | **Hard Drive** |  |
| **CF Card/CFast** |  |
|  |  |
|  | **USB 3.1 Gen 1** |  |
|  | **(5Gb/s)** |  |
|  | **USB 2.0** |  |
|  | **Ethernet** |  |
| I/O 接口 | **COM Port** |  |
|  |  |
|  | 数字 I/O |  |
|  | 显示 |  |
|  | 分辨率 |  |
|  | 音频 |  |
|  | **Wireless** |  |
|  | **PCI/PCIe** |  |
| 扩展 |  |  |
|  | **PCIe Mini** |  |
|  | 电源输入 |  |
| 电源 |  |  |
|  | 功耗 |  |
|  | 安装方式 |  |
|  | 操作温度 |  |
|  | 存储温度 |  |
| 可靠性 | 冲击测试 |  |
|  |  |
|  | 振动测试 |  |
|  | 重量(净重/毛重) |  |
|  | **Safety/EMC** |  |
| **OS** | 支持的 OS |  |



***订购信息***

**TANK-801-BT**



Black C + Silver

136 x 219 x 188

Fanless

Extruded aluminum alloys

Intel® Celeron® J1900 2 GHz

SoC

1 x 204-pin DDR3L SO-DIMM,

2GB pre-installed (system max: 8 GB)

1 x iRIS-2400 (optional)

1 x 2.5'' SATA 3Gb/s HDD/SSD bay

1 x CFast

2

2

2 x RJ-45

1 x PCIe GbE by Intel® I210

1 x PCIe GbE by Intel® I211

2 x RS-232 (DB-9)

2 x RS-232/422/485 (DB-9, with isolation)

16-bit digital I/O, 8-bit input/8-bit output

1 x DisplayPort, 1 x DVI-I

DisplayPort: Up to 2560 x 1600 MHz

DVI-I: Up to 2560 x 1600 MHz

1 x Line-out, 1 x Mic-in

1 x 802.11b/g/n (optional)

3A: One PCIe x1 + Two x PCI

3B: Two PCIe x1 + One x PCI

3C: Three x PCI

1 x Full-size PCIe Mini

DC Jack: 9 V~36 V DC

Terminal Block: 9 V~36 V DC

19 V@1.8 A

(Intel® Celeron® J1900 with 2 GB DDR3 memory) Wall mount

-20°C ~ 60°C with air flow (SSD)

5% ~ 95%, non-condensing

-40ºC ~ 85ºC with air flow (SSD)

5% ~ 90%, non-condensing

Half-sine wave shock 5G, 11ms, 3 shocks per axis

MIL-STD-810F 514.5C-2 (with SSD)

2.8 kg/4.3 kg

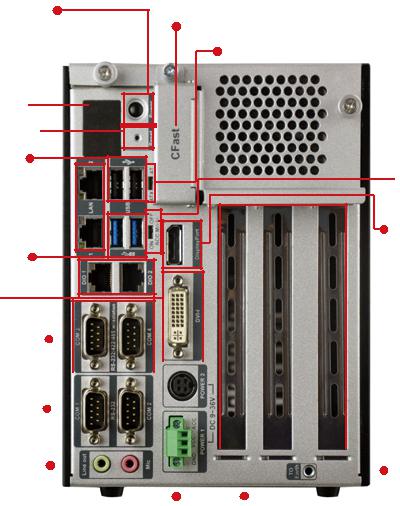
CE/FCC

Microsoft® Windows® 8 Embedded, Microsoft® Windows® Embedded Standard 7 E

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

*丰富的 I/O*

电源开关



1. Long-press 2 sec. to power on

2. Long-press 5 sec. to power off AT/ATX Mode

LED

Reset

2 x USB 2.0

ACC Mode

2 x GbE LAN

DisplayPort

2 x USB 3.1

Gen 1

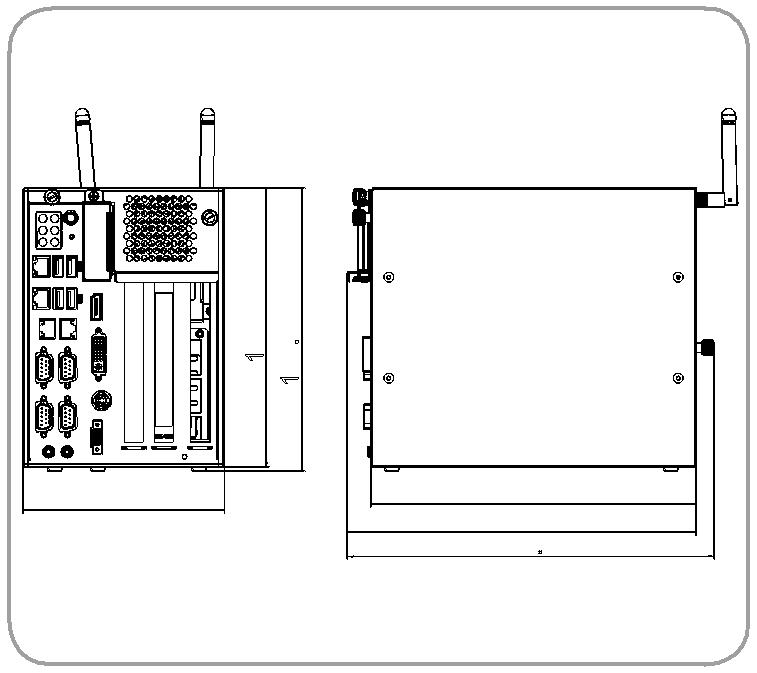
2 x DIO

DVI-I

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 x RS-232/ | | | | | | | | | | | | |  |  |  | 3 x Expansion | | |  |
| 422/485 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Slots |  |
|  |  |  |  |  |  |
| 2 x RS-232 |  |  |  |  |  |  |  | | |  |  |  |  |  |  |  |  |  |  |
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| Audio | | |  |  |  |  |  | | |  |  |  |  |  |  |  | To Ground | |  |
|  | |  |  |  | | |  |  |  |  |  |  |  |  |
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|  | |  |  |  | | |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Power1 | | |  |  |  |  |  | Power2 | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | (Terminal Block) | | | | | | | | (DC Jack) | | | | | |  |



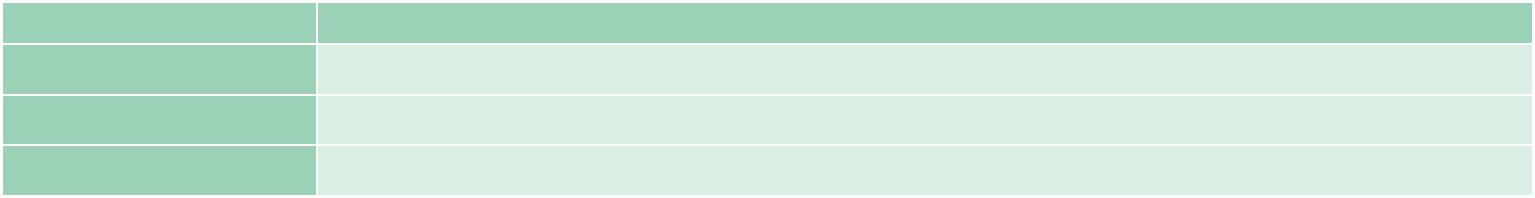
***尺寸*** *(****单位****: mm)*



|  |  |
| --- | --- |
| ~~188~~ | ~~190~~.70 |
| 136 | 219 |
|  | 235 |

247.29

*TANK-801-BT*



**Part No.**

**TANK-801-BTi-J1/2G/3A-R12**

**TANK-801-BTi-J1/2G/3B-R12**

**TANK-801-BTi-J1/2G/3C-R12**

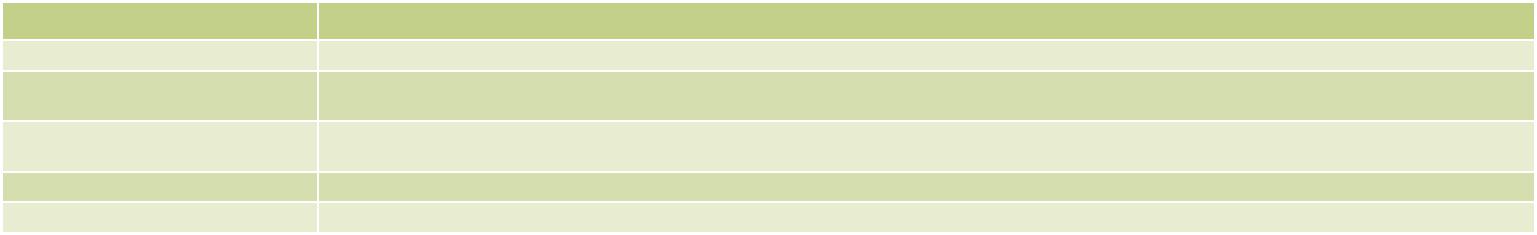
**Description**

Fanless embedded system with two PCI and one PCIe x1 expansion, Intel® Bay-Trail J1900 2 GHz, TDP 10W, 2GB DDR3L pre-installed memory, 1 x DVI-I, 1 x DisplayPort, iRIS-2400 optional, 9 V~36 V DC, RoHs

Fanless embedded system with one PCI and two PCIe x1 expansions, Intel® Bay-Trail J1900 2 GHz, TDP 10W, 2GB DDR3L pre-installed memory, 1 x DVI-I, 1 x DisplayPort, iRIS-2400 optional, 9 V~36 V DC, RoHs

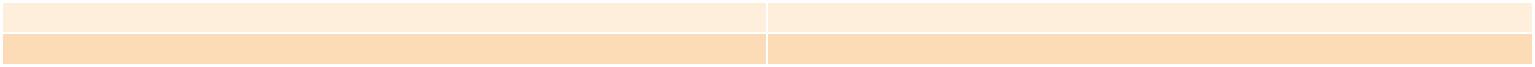
Fanless embedded system with three PCI expansion, Intel® Bay-Trail J1900 2 GHz, TDP 10W, 2 GB DDR3L pre-installed memory, 1 x DVI-I, 1 x DisplayPort, iRIS-2400 optional, 9 V~36 V DC, RoHs

***可选配件***



|  |  |  |
| --- | --- | --- |
| **Part No.** | **Description** |  |
| **iRIS-2400-R10** | IPMI 2.0 adapter card with AST2400 BMC chip for DDR3 SO-DIMM socket interface |  |
| **EMB-FAN-KIT02-R10** | Fan Module;MODIFY 31100-000272-RS;+12V DC;4PIN;40\*40\*15mm ;STANDARD;;FD124015LB2W3;; L= 400mm MOLEX 5051-04P |  |
| P=2.54;CCL;RoHS |  |
|  |  |
| **EMB-WIFI-KIT01-R20** | 1T1R wifi module kit for embedded system, IEEE802. 1a/b/g/n/ac WiFi with Bluetooth 4.0/3.0+HS, 1 x wifi module, 2 250mm RF cable, 2 x Antenna, |  |
| RoHS |  |
|  |  |
| **TPM-IN01-R20** | 20-pin INFINEON TPM Module,S/W managementTool,Firmware V4.4 |  |
| **TANK-801-BT-WES7E-R10** | OS Image with Windows® Embedded Standard 7 E for TANK-801 Series, CD-ROM, RoHS |  |

***包装清单***



|  |  |
| --- | --- |
| 1 x Power Adapter (With PSE & ErP Certified | 1 x Chassis Screw |
| 1 x Power Cord | 1 x Mounting Bracket |



**10-48** **TANK-801-BT-2019-V10**