

TANK-860-HM86

Intel® HM86 mobile solution. Fanless wide temperature embedded system



Features

- » Intel® HM86 chipset + 4th generation Intel® Core™ CPU
- » Great flexibility of expansion slots
 - 2-slot model: 2 x PCIe by 16, 1 x PCIe Mini slot
 - 4-slot model: 2 x PCIe by 16, 2 x PCI, 2 x PCIe Mini slot
 - 6-slot model: 1 x PCIe by 16, 2 x PCIe by 4, 3 x PCI, 2 x PCIe Mini slot
- » IPMI function for remote control management
- » Three independent video outputs support high resolution
- » 2 x 2.5" SATA HDD bay design fulfills high storage demand

Specifications

| Form factor | |
|-----------------|--|
| SBC Form Factor | CPU: |
| | Intel® Core™ i5-4400E 2.7 GHz |
| | Chipset: Intel® HM86 |
| | System Memory |
| | 2 x 204-pin DDR3 SO-DIMM slot. |
| | Pre-installed one 4 GB SO-DIMM(system max: 16 GB) |
| I/O Interface | |
| I/O Ports | 4 x USB 3.0 |
| | 2 x USB 2.0 |
| | Ethernet: |
| | 2 x RJ-45 |
| | 1 x PCIe GbE by Intel® I210 |
| | 1 x PCIe GbE by Intel® I217LM |
| | COM Port: |
| | 4 x RS-232 (DB-9, two with isolation) |
| | 2 x RS-422/485 (RJ-45) |
| | Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output |
| | Display: |
| | 1 x VGA, 1 x DVI-I, 1 x DisplayPort |
| | Resolution |
| | VGA: Up to 1920 x 1200@60Hz |
| | DVI-I: Up to 2500 x 1600@60Hz |
| | Displayport: Up to 2500 x 1600@60Hz |
| | Audio: |
| | 1 x Line-out, 1 x Mic-in |
| | Wireless 1 x 802.11b/g/n (optional) |
| Expansion Slots | |

| | |
|-----------------------------|--|
| Expansion Slots | PCI/PCIe |
| | 2 A: Two PCIe x8 (physical PCIe x16 slot) |
| | 4 A: Two PCIe x8 (physical PCIe x16 slot) +2 x PCI |
| | 6 A: One PCIe x8 (physical PCIe x16 slot) +two PCIe x4 + three PCI |
| | PCIe Mini |
| | 2A: 1 x Full-size (co-lay mSATA) |
| | 4A: 1 x Full-size (co-lay mSATA) +1 x Full-size (on backplane) |
| | 6A: 1 x Full-size (co-lay mSATA) +1 x Full-size (on backplane) |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | 2 x 2.5" SATA 6Gb/s HDD/SSD bay |
| Color | |
| Color | Black C + Silver |
| Dimensions | |
| Dimensions | 2 slot: 121.5 x 255.2 x 205 |
| | 4 slot: 154.8 x 255.2 x 205 |
| | 6 slot: 195.4 x 255.2 x 205 |
| Environment | |
| Operating Temperature | -20°C ~ 60°C with air flow (SSD) |
| Humidity | 5% ~ 95%, non-condensing |

Ordering Information

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| TANK-860-HM86i-i5/4G/2A-R10 | Ruggedized Fanless embedded system , Intel Core i5 dual-core i5-4400E 2.7GHz, TDP 37W, 4GB DDR3 pre-installed memory , 2 x PCIe by 8 expansion, VGA/DVI-I/Displayport, iRIS-2400 optional, 9~36V DC, RoHS, R10 |
| TANK-860-HM86i-i5/4G/6A-R10 | Ruggedized Fanless embedded system , Intel Core i5 dual-core i5-4400E 2.7GHz, TDP 37W, 4GB DDR3 pre-installed memory , 1 x PCIe by 8 / 2 x PCIe by 4 / 3 x PCI expansion, VGA/DVI-I/Displayport, iRIS-2400 optional, 9~36V DC, RoHS, R10 |
| TANK-860-HM86i-i5/4G/4A-R10 | Ruggedized Fanless embedded system , Intel Core i5 dual-core i5-4400E 2.7GHz, TDP 37W, 4GB DDR3 pre-installed memory , 2 x PCIe by 8 / 2 x PCI expansion, VGA/DVI-I/Displayport, iRIS-2400 optional, 9~36V DC, RoHS, R10 |

Packing List

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|-------------------|----------------------|
| 1 x Chassis Screw | 1 x Mounting Bracket |
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