

TANK-820-H61

Intel® Sandy Bridge 3-Slot Embedded System



Features

- » Intel® Atom™ D525 1.8 GHz dual-core processor for TANK-800 2nd/3rd generation Intel® Core™ low power desktop processors (max TDP. 65W) for TANK-820
- » On-board 1GB DDR3 memory and one DDR3 SO-DIMM slot (system max. 3GB) for TANK-800 On-board 2GB DDR3 memory and one DDR3 SO-DIMM slot (system max. 10GB) for TANK-820
- » Dual wide range DC power support (TANK-800-D525: 9 V~36 V DC/ TANK-820-H61: 9 V~24 V DC)

Specifications

| Form factor | |
|-----------------------------|--|
| SBC Form Factor | CPU |
| | Intel® Core™ i5-2xxT (above 2.7 GHz) |
| | Intel® Core™ i3-2xxT (above 2.5 GHz) |
| | Intel® Pentium® G6xxT (above 2.2 GHz) |
| | Chipset: Intel® H61 |
| | System Memory: |
| | On-board DDR3 2 GB memory |
| | 1 x 204-pin DDR3 SO-DIMM (system max: 10 GB) |
| I/O Interface | |
| I/O Ports | 2 x USB 3.0 |
| | 4 x USB 2.0 |
| | Ethernet: |
| | 2 x RJ-45 |
| | PCIe GbE by Realtek 8111E |
| | 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 |
| | Resolution: VGA: Up to 2048 x 1536@75Hz |
| | DVI-I: Up to 1920 x 1080@60Hz |
| Expansion Slots | |
| Expansion Slots | PCI: 2P1E: 2 x PCI, 1P2E: 1 x PCI |
| | PCIe: |
| | 2P1E: One PCIe x8 (physical PCIe x16 slot) |
| | 1P2E: One PCIe x1 (physical x4 slot), |
| | One PCIe x8 (physical x16 slot) |
| System | |
| Cooling method / System Fan | Fanless |
| Drive Bays | 1 x 2.5' SATA 3Gb/s HDD/SSD bay |
| Color | |

| | |
|-----------------------|----------------------------------|
| Color | Black C + Silver |
| Dimensions | |
| Dimensions | 133 x 269 x 208 |
| Weight | |
| Weight | 4.2 kg/6.3 kg |
| Environment | |
| Operating Temperature | -20°C ~ 60°C with air flow (SSD) |
| Humidity | 5% ~ 95%, non-condensing |

Ordering Information

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|-----------------------------|---|
| TANK-820-H61-P/2G/2P1E-R22 | Fanless Extend temperature embedded system with One PCIe x8 and two PCI expansion, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, Dual 9-24V DC-IN, 2GB DDR3 Memory on-board, -20°C~60°C |
| TANK-820-H61-i5/2G/1P2E-R22 | Fanless wide temperature embedded system with one PCIe x1, one PCIe x8 and one PCI expansion, Intel® Core™ i5 dual-core CPU (above 2.9 GHz, TDP 35 W), dual 9 V-24 V DC-IN, 2 GB DDR3 on-board memory, -20°C ~ 60°C |
| TANK-820-H61-i5/2G/2P1E-R22 | Fanless wide temperature embedded system with one PCIe x8 and two PCI expansions, Intel® Core™ i5 dual-core CPU (above 2.9 GHz, TDP 35 W), dual 9 V-24 V DC-IN, 2 GB DDR3 on-board memory, -20°C ~ 60°C |
| TANK-820-H61-i3/2G/2P1E-R22 | Fanless Extend temperature embedded system with One PCIe x8 and two PCI expansion, Core i3 Dual Core 2xxT CPU (Above 2.5GHz), TDP 35W, Dual 9-24V DC-IN, 2GB DDR3 Memory on-board, -20°C~60°C |
| TANK-820-H61-i3/2G/1P2E-R22 | Fanless Extend temperature embedded system with One PCIe x1 and one PCIe x 8 and one PCI expansion, Core i3 Dual Core 2xxT CPU (Above 2.5GHz), TDP 35W, Dual 9-24V DC-IN, 2GB DDR3 Memory on-board,-20°C~60°C |
| TANK-820-H61-P/2G/1P2E-R22 | Fanless Extend temperature embedded system with One PCIe x1 and one PCIe x 8 and one PCI expansion, Pentium Dual Core G6xxT CPU (Above 2.2GHz), TDP 35W, Dual 9-24V DC-IN, 2GB DDR3 Memory on-board,-20°C~60°C |

Packing List

| | |
|------------------------------------|----------------------------|
| 1 x Power Cord | 4 x HDD Screw |
| 1 x Pluggable DC-in Terminal Block | 1 x Power Adapter |
| 4 x Rubber Foot Pad Screw | 2 x Mounting Bracket |
| 2 x Foot Pad | 4 x Mounting Bracket Screw |
| 2 x RJ-45 to DB-9 COM Port Cable | 4 x Fan screw |