

# TANK-800-D525

Intel® D525 3-Slot Fanless 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

|                       |  |
|-----------------------|--|
| Color                 |  |
| Color                 | Black C + Silver   |
| Dimensions            |  |
| Dimensions            | 136 x 219 x 188  |
| Environment           |  |
| Humidity              | 5% ~ 95%, non-condensing   |
| Operating Temperature | -20°C ~70°C with air flow (SSD)  |
| Expansion Slots       |  |
| Expansion Slots       | PCI:2P1E: 2 x PCI, 1P2E: 1 x PCI   |
|                       | PCIe:  |
|                       | 2P1E: One PCIe x4 (physical PCIe x16 slot)   |
|                       | 1P2E: One PCIe x1 (physical x4 slot),  |
|                       | One PCIe x2 (physical x16 slot)  |
| Form factor           |  |
| SBC Form Factor       | CPU  |
|                       | Intel® Atom™ D525 1.8 GHz  |
|                       | Chipset: Intel® ICH8M  |
|                       | System Memory:   |
|                       | On-board DDR3 1 GB memory  |
|                       | 1 x 204-pin DDR3 SDRAM SO-DIMM (system max: 3 GB)  |
| I/O Interface         |  |
| I/O Ports             | 4 x USB 2.0  |
|                       | Ethernet:  |
|                       | 2 x RJ-45  |
|                       | PCIe GbE by Realtek 8111E  |
|                       | COM Port:  |
|                       | 4 x RS-232 (DB-9)  |
|                       | 2 x RS-422/485 (RJ-45)   |
|                       | Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output 8-bit digital I/O, 4-bit input/4-bit output |
|                       | Display: 1 x VGA   |
|                       | Resolution: VGA: Up to 2048 x 1536@75Hz  |
|                       | Audio: 1 x Line-out, 1 x Mic-in  |

|                             |                                 |
|-----------------------------|---------------------------------|
| System                      |                                 |
| Cooling method / System Fan | Fanless                         |
| Drive Bays                  | 1 x 2.5' SATA 3Gb/s HDD/SSD bay |
| Weight                      |                                 |
| Weight                      | 2.6 kg/4.1 kg                   |

## Ordering Information

|                            |   |
|----------------------------|---|
| TANK-800-D525/1GB/1P2E-R12 | Extend temperature fanless embedded system with One PCIe x1 and one PCIe x2 and one PCI expansion, Intel Atom D525 1.8GHz Dual Core Processor, Dual 9-36V DC-IN, 1GB DDR3 Memory on-board, -20°C~70°C |
| TANK-800-D525/1GB/2P1E-R12 | Extend temperature fanless embedded system with One PCIe x4 and two PCI expansion, Intel Atom D525 1.8GHz Dual Core Processor, Dual 9-36V DC-IN, 1GB DDR3 Memory on-board, -20°C~70°C                 |

## Packing List

|                                    |                            |
|------------------------------------|----------------------------|
| 1 x Power Cord                     | 4 x HDD Screw              |
| 1 x Pluggable DC-in Terminal Block | 1 x Power Adapter          |
| 8 x Rubber Foot Pad Screw          | 2 x Mounting Bracket       |
| 4 x Foot Pad                       | 4 x Mounting Bracket Screw |
| 2 x RJ-45 to DB-9 COM Port Cable   |                            |