

# 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

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