

# TANK-101B

Fanless Embedded Controller with Dual-Core Intel® Atom™ D525 Processor



## Features

- » Dual-core Intel® Atom™ D525 processor inside
- » Wide range 9 V~36 V DC power input
- » Isolation protected COM and CAN communication
- » Extended temperature fanless design supports -20°C ~ 70°C (N455)

## Specifications

Color	
Color	Cool Gray+Blue
Dimensions	
Dimensions	248 x 138 x 44
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-20°C~60°C (D525 with air flow CF/SSD), -20°C~70°C (N455 with air flow CF/SSD),
Expansion Slots	
Expansion Slots	PCIe Mini:1 x Full size
Form factor	
SBC Form Factor	CPU:
	Intel® Atom™ D525 1.8 GHz
	Intel® Atom™ N455 1.66 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
	3 x RS-232 (DB-9)
	1 x RS-422/485(DB-9, Default RS-422 with isolation)
	CAN Bus: 2 x DB-9 CAN with isolation
	Display: 1 x VGA
	Resolution: VGA: Up to 2048 x 1536@60Hz
	Audio: 1 x Line-out, 1 x Mic-in
	Wireless: 1 x 802.11b/g/n (optional)
System	
Cooling method / System Fan	Fanless
Drive Bays	1 x 2.5' SATA 3Gb/s HDD/SSD bay
Weight	

Weight	2.1 kg/3.9 kg
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## Ordering Information

TANK-101B-R11/N455/1GB	Extend temperature Fanless embedded system with Intel® ATOM® Processor N455 1.66GHz CPU with two isolated CAN, One isolated Serial Port, 1GB DDR3 memory onboard, 9~36V DC in, Pantone 287C + Cool Gray 2C, -20°C ~ 70° C, RoHS
TANK-101B-R11/D525/1GB	Extend temperature Fanless embedded system with dual core Intel ATOM Processor D525 1.8G CPU with two isolated CAN, One isolated Serial Port, 1GB DDR3 memory onboard, 9~36V DC in, Pantone 287C + Cool Gray 2C, -20°C ~ 60°C, RoHS

## Packing List

1 x Power cord	1 x 60W 12 V power adapter (Meet PSE & ErP)
2 x Wall mount brackets	1 x Screw set
1 x SATA HDD drive cable	1 x QIG