

# TANK-GM45A Extended Temperature Fanless Embedded System with Intel® Core™ 2 Duo Processor



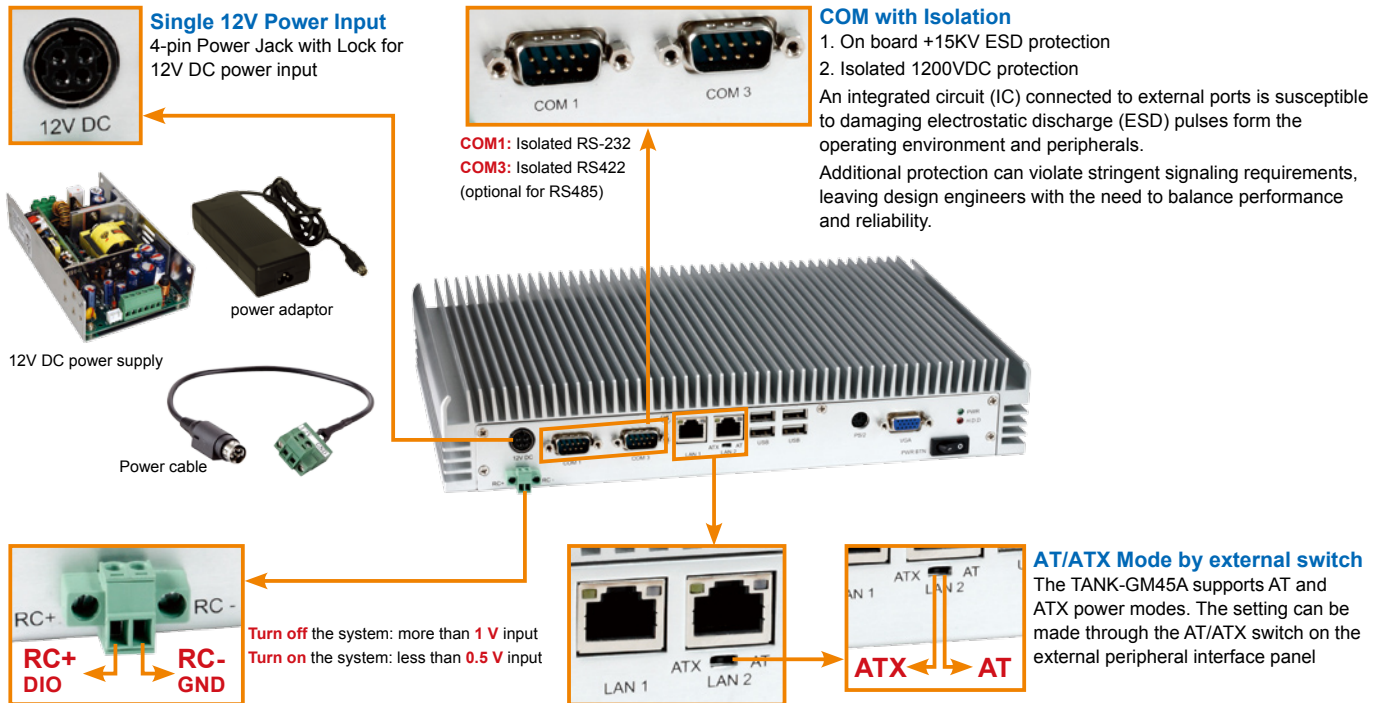
## Features

- ◆ Socket P Intel® 45nm Mobile Core™2 Duo Processor Supported
- ◆ Extended Temperature Fanless design support -20°C~70°C
- ◆ High Performance MPEG-2 Decoding, WMV9(VC-1) and H.264(AVC) supported
- ◆ Built-in DDR2 SO-DIMM 2G memory
- ◆ Support 2xCOM, 4xUSB2.0, 2x Intel® GbE LAN
- ◆ IEI One Key Recovery solution allows you to creat rapid OS backup aand recovery



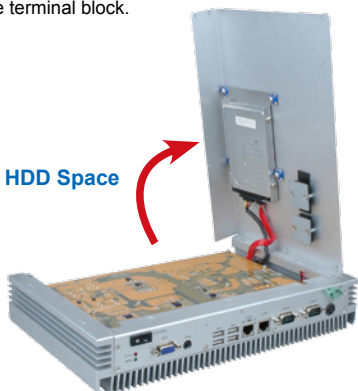
## Extended Temperature System with Multi-Function

TANK-GM45A supports extended Temperature from -20°C up to 70°C with One Industrial 2.5" SATA Flash Disk. IEI IFD 2.5" SSD supporting SATA SLC solutions features anti-vibration, low power consumption, high performance and perfect reliability. SSD not only performs much better IOPS than HDD but also can be operated anytime because of no mobile components like the motor, bearing or and rotating head. In addition, SSD can absolutely fulfill specialized application performing in any harsh environment.



**DIO Signal**  
The GPIO terminal block connects to a remote control device. Users can control the system power on/off by inputting high or low voltage into the terminal block.

### One 2.5" SATA HDD Space



### High Performance Intel® GbE

• **Intel® 82574L**  
The 82574 provides one PCIe lane operating at 2.5 GHz with sufficient bandwidth to support 1000 Mb/s transfer rate. Supports 9018-byte jumbo packets, 40 KB of on-chip buffering mitigates instantaneous receive bandwidth demands and eliminates transmit under-runs by buffering the entire outgoing packet prior to transmission.



### Digital Security Surveillance

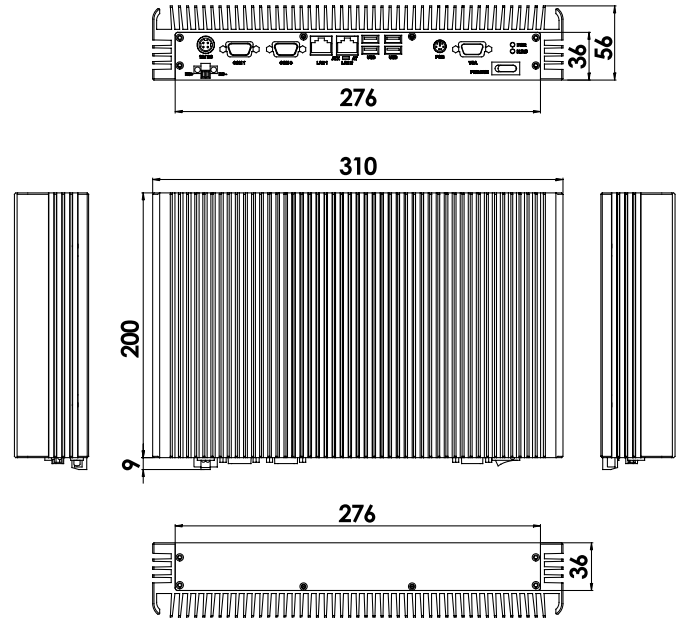


• **Intel® WG82567LM**  
The 82567 is a single port GbE physical layer Transceiver (PHY) that connects to its Media Access Controller (MAC) through a dedicated interconnect and supports operation at data rate of 10/100/1000 Mb/s. Supports up to 9 kB jumbo frames (full duplex)

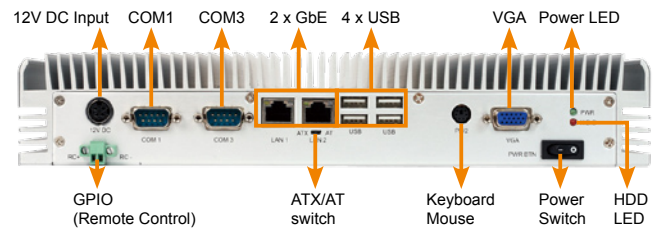
## Specifications

<b>Model Name</b>		TANK-GM45A	
<b>Platform</b>		Intel®	
<b>Chassis</b>	<b>Color</b>	Sliver	
	<b>Dimensions</b>	310 x 200 x 56mm	
	<b>Chassis Construction</b>	Aluminum Alloy with heavy duty metal	
<b>Motherboard</b>	<b>Motherboard Model</b>	System Board	
	<b>M/B Size</b>	System Board	
	<b>Processor CPU</b>	Intel® Core™ Duo 2.4GHz, 3MB L2 cache, processor P8600 Intel® Celeron™ M 2.0GHz 1MB L2 cache, processor 575	
	<b>Chipset</b>	Intel® GM45 + ICH9M	
	<b>System Memory</b>	2 GB DDR2 SODIMM Memory Pre-installed	
<b>Storage</b>	<b>Hard Drive</b>	1 x 2.5" SATA HDD Space	
<b>System Function</b>	<b>PS2 (KB/MS)</b>	1	
	<b>USB 2.0</b>	4	
	<b>Ethernet</b>	2 x Intel® GbE One Intel® 82574L Ethernet Controller One Intel® WG82567LM Ethernet PHY	
	<b>RS-232</b>	1 w/ isolation	
	<b>RS-232/422/485</b>	One RS422/RS485 Default RS422 with isolation	
	<b>Digital I/O</b>	DIO signal for Remote on/off Control	
	<b>Display</b>	1 x VGA	
	<b>Resolution</b>	2048 x 1536 @ 75 Hz	
	<b>Power</b>	<b>Power input</b>	12V DC in
		<b>Power consumption</b>	12@3.85A (Intel® Core2 Duo P8600 2.4GHz with 3MB L2 Cache, DDR2 2GB)
<b>Reliability</b>	<b>Mounting</b>	Desk top, wall mount	
	<b>Operating Temperature</b>	-20°C ~ 70°C with SSD	
	<b>Operating Vibration</b>	Meet MIL-STD-810F 514.5C-1	
	<b>Weight (Net/Gross)</b>	3.5kg/4.2kg	

## Dimensions (Unit: mm)



## Integrated I/O



## Packing List

1 x Power Cable (Terminal Block DC in Cable) (P/N: 32002-002000-100-RS)	
1 x Screw set for Wall Mount Kit	1 x QIG
2 x Wall Mount Baskets	1 x CD



Power Cable



Wall Mount bracket

## Ordering Information

Part No.	Description
TANK-GM45A-R10/P8600/2GB	Extend temperature fanless embedded system with Intel® Core™2 Duo P8600 2.4 GHz 3MB L2 cache and GM45 chipset, with 2GB DDR2 memory, 12VDC, -20°C~70°C,RoHS
TANK-GM45A-R10/CM575/2GB	Extend temperature fanless embedded system with Intel® Celeron® M 575 2.0 GHz 1MB L2 cache and GM45 chipset, with 2GB DDR2 memory, 12VDC, -20°C~70°C, RoHS
63000-FSP060DBAB1554-RS	POWER ADAPTER; FSP060-DBAB1554; VAC:90V~264V; 12V/ 60W with ERP and PSE certificates
63000-FSP096AHB-RS	POWER ADAPTER; FSP096-AHB; VAC:90V~264V; 12V/ 96W with ERP and PSE certificates
32000-000002-RS	17.5cm European Standard Power Cord
32000-000025-RS	18.3cm American Standard Power Cord
32006-00300-100-RS	PS2 KB/MS Y Cable
IFD-2510WT-XXXXX	iFD 2.5" SATA 3.0 2510WT SLC SSD Wide Temp. Grade -40°C~85°C (8GB~128GB)
IFD-2510RW-XXXXX	iFD 2.5" SATA 3.0 2510RW SLC SSD Wide Temp. Grade -40°C~85°C (1GB~32GB)
IFD-2000JW-XXXXX	iFD 2.5" SATA 3.0 2000JW SLC SSD Wide Temp. Grade -40°C~85°C (8GB~128GB)

XXXXX=Capacity