

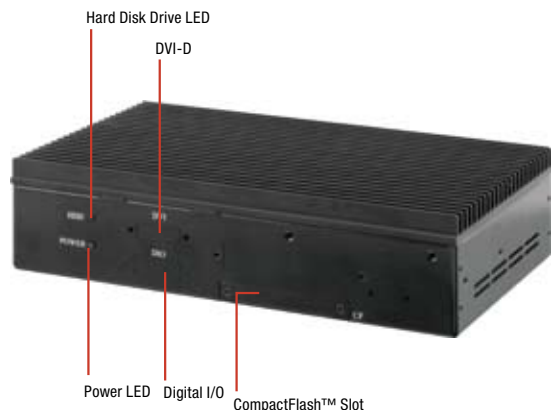
# TKS-G20-9310

Fanless Embedded Box For GENE-9310

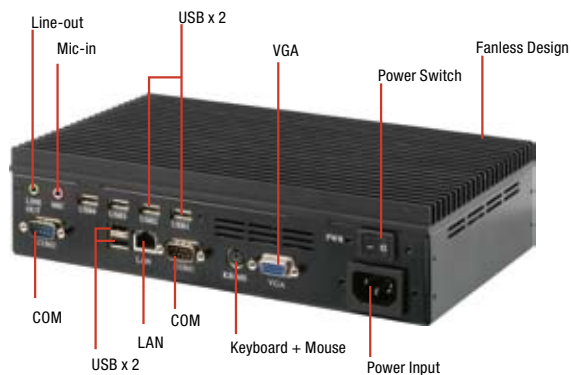
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Turn-Key Chassis Solutions (EmBOX)

Front View



Rear View



## Features

- Fanless Design
- VGA/ DVI (Optional)
- 2.5" Hard Disk Drive And CompactFlash™
- 802.11b/g WiFi (Optional)
- COM x 2, USB x 4, 8-bit Digital I/O (Optional)
- Built-in AC-in or DC-in Power Supply
- Desktop Or Wallmount (Optional)



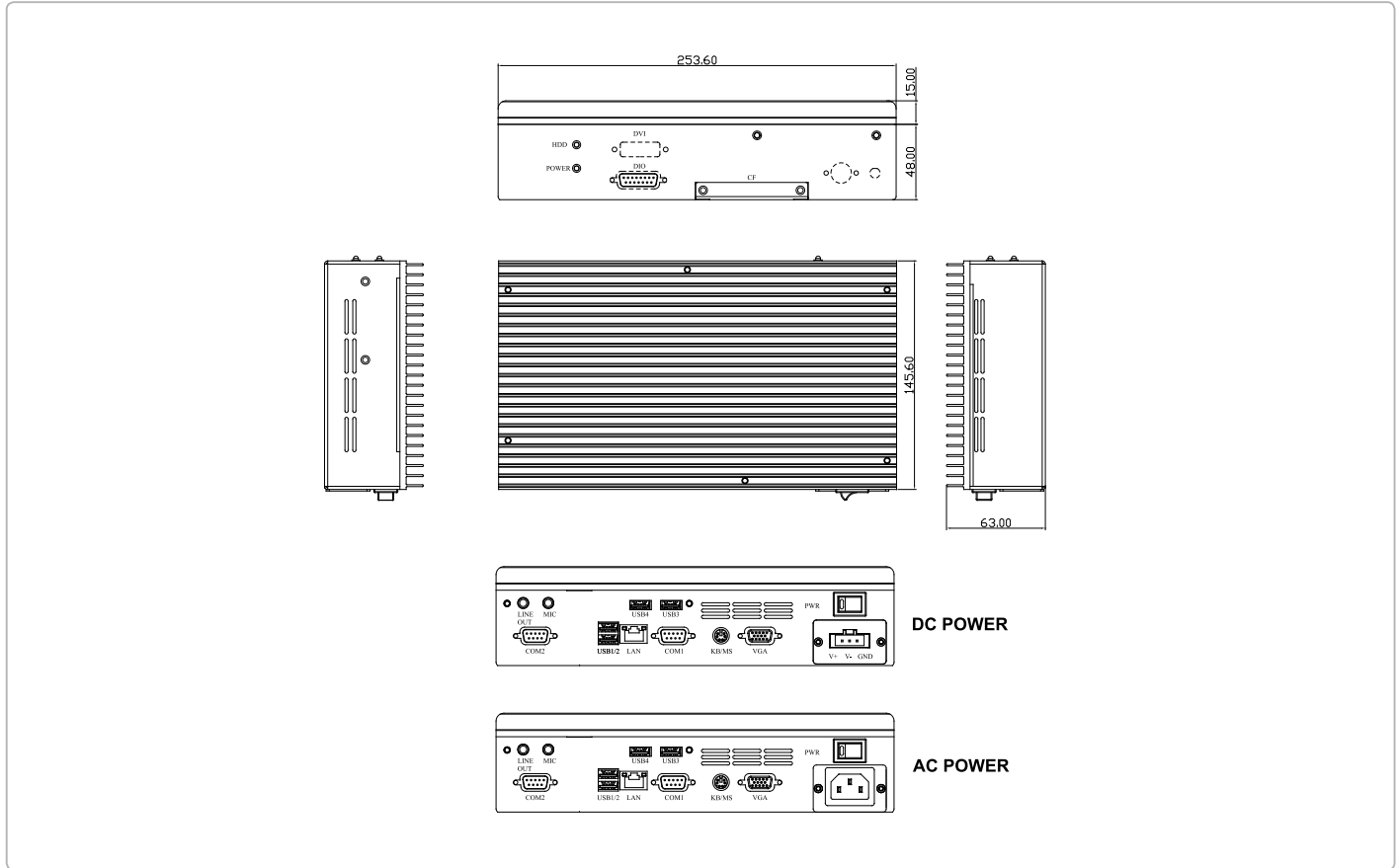
## Specifications

CPU	Intel® Celeron® M (65nm) Processors 1.86 GHz; Core™ 2 Duo/ Core™ Duo (Optional)	
Chipset	Intel® 945GME + ICH7M	
System Memory	200 pin DDR2 SODIMM x 1, Max. 2 GB (DDR2 400/533/667)	
Display Interface	VGA	D-SUB 15 x 1
	DVI	DVI-D x 1 (Optional)
	Others	—
Storage Device	SSD	Type 2 CompactFlash™ Slot x 1
	HDD	2.5" SATA 1.5Gb/s Hard Disk Drive Bay x 1
Network	LAN	10/100/1000Base-TX Ethernet
	Wireless	802.11b/g WiFi (Optional)
Front I/O	USB Host	—
	LAN	—
	Serial Port	—
	DIO	8-bit Programmable x 1 (Optional)
Rear I/O	Audio	—
	KB/MS	—
	Others	—
	USB Host	USB Type A x 4
	LAN	RJ-45 x 1
	Serial Port	9-pin D-Sub x 2
Expansion	DIO	—
	Audio	Line-out, Mic-in
	KB/MS	PS/2 x 1
	Others	—
Indicator	PCIe	—
	PCI	—
	Mini Card	—
	Mini PCI	Mini-PCI x 1 (Internal)
Power Requirement	Front	Power LED x 1, HDD LED x 1
	Rear	—
Power Consumption	For DC Type: +9V ~ +30V Input For AC Type: 100V ~ 240V Input	
System Cooling	Core™ 2 Duo/ T7400 2.16 GHz, DDR2 667 1 GB +12V@3.89A	
Mounting	Fanless	
Operating temperature	Desktop or Wallmount (optional)	
Storage Temperature	32°F ~ 104°F (0°C ~ 40°C)	
Anti-Vibration	-40°F ~ 176°F (-40°C ~ 80°C)	
Anti-Shock	0.5g rms/ 5 ~ 500Hz/ random operation (Internal Hard Disk Drive active Module)	
MTBF (Hours)	10G peak acceleration (11 msec. duration) (Hard Disk Drive Module)	
Certification	EMC	60,000
	Safety	CE/FCC Class A
Dimension (W x H x D)	10" x 5.75" x 2.48" (254mm x 146mm x 63mm)	
Gross Weight	Heavy duty steel (2.42 kg/ 5.33 lb)	

# TKS-G20-9310

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Cooler	Storage	Display	LAN	USB	RS-232	RS-232/422/485	KB/MS	Audio	DIO	Expansion Slot	Mounting	Power
TF-TKS-G20-9310-002-DT	Intel® Celeron® M 1.86GHz	SODIMM	Fanless	SATA x 1, CompactFlash™ x 1	CRT	GbE x 1	4	1	1	Yes	Line-out, Mic-in	8-Bit (Programmable)	Mini PCI x 1	Wallmount	+9~30V, DC/AT
TF-TKS-G20-9310-002-DX	Intel® Celeron® M 1.86GHz	SODIMM	Fanless	SATA x 1, CompactFlash™ x 1	CRT	GbE x 1	4	1	1	Yes	Line-out, Mic-in	8-Bit (Programmable)	Mini PCI x 1	Wallmount	+9~30V, DC/ATX
TF-TKS-G20-9310-002-AT	Intel® Celeron® M 1.86GHz	SODIMM	Fanless	SATA x 1, CompactFlash™ x 1	CRT	GbE x 1	4	1	1	Yes	Line-out, Mic-in	8-Bit (Programmable)	Mini PCI x 1	Wallmount	+100~240V, AC/AT

## Packing List

- Product CD
- TKS-G20-9310

## Optional Accessories

- **9761G50000**  
Wallmount Kit
- **9741850R00**  
802.11b/g Wireless LAN Kit
- **9741G50006**  
DVI Kit
- **1701150201**  
Digital I/O Cable
- **1757908401**  
84 Watts Power Adapter