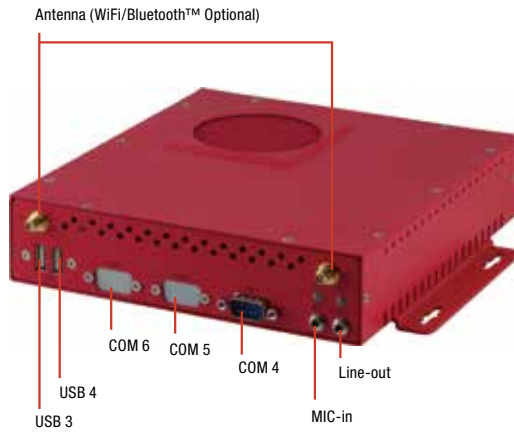


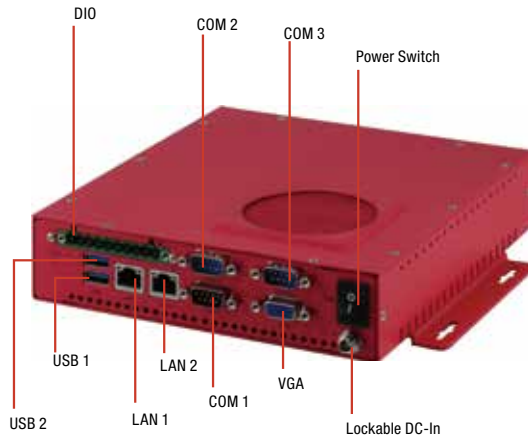
# TKS-G50-QM77

Embedded Box with Intel® 3rd Generation Core™ i7/i5/i3 Mobile Processor

Front View



Rear View



## Features

- Intel® 3rd Generation Core™ i7/i5/i3 Mobile Processor
- Intel® QM77/HM76
- SODIMM DDR3 1333/1600MHz, Up to 8GB
- Gigabit Ethernet x 2
- CRT, DVI (Optional)
- SATA 6.0Gb/s x 2, CFast™ x 1
- USB3.0 x 2, USB2.0 x 2, COM x 4, 8-bit Digital I/O
- Mini Card x 1
- Supports Hi-Safe and Hi-Manager (iAMT)\*



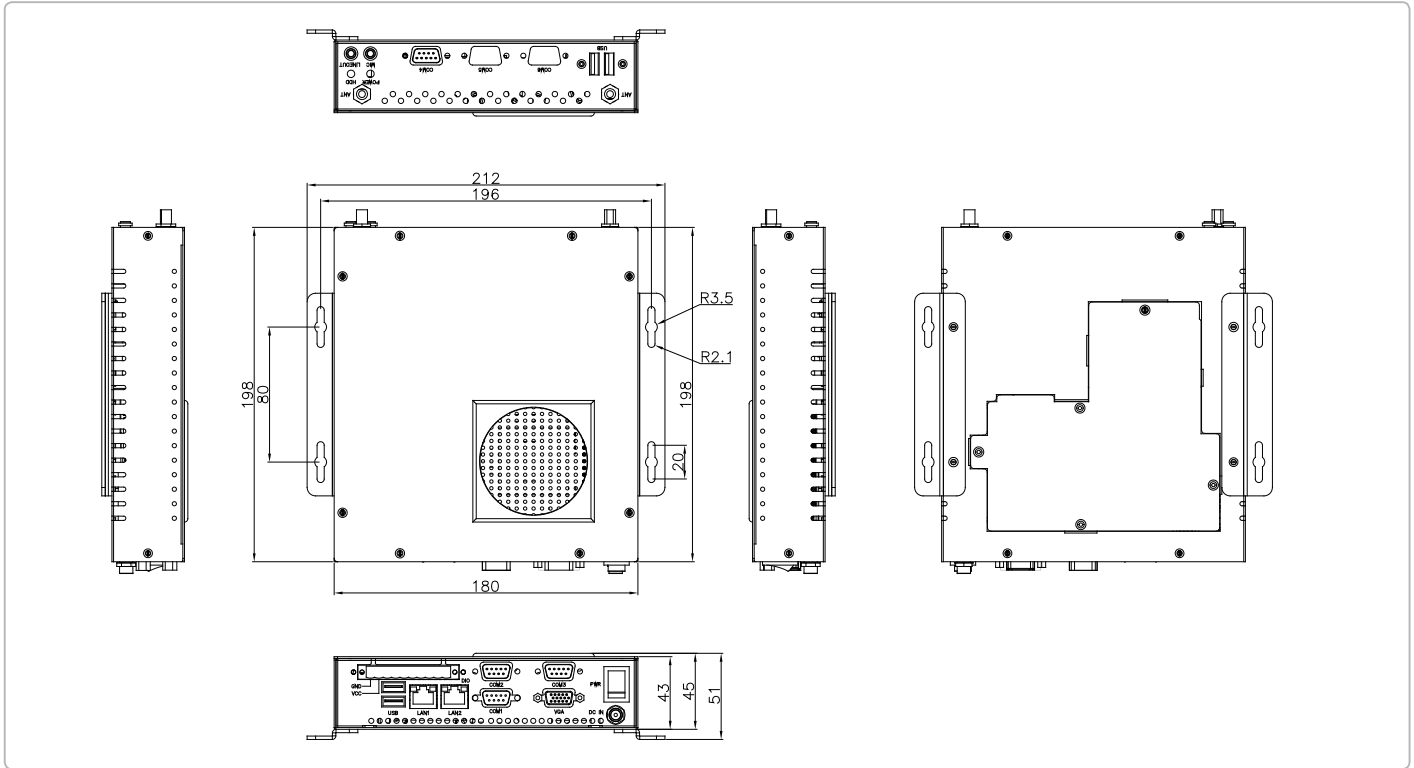
## Specifications

CPU	Intel® Core™ i7/i5/i3 PGA processor support, Intel® Core™ i7-3610QE 2.3 GHz, Intel® Core™ i5-3610ME 2.7GHz, Intel® Core™ i3-3120ME 2.4GHz
Chipset	Intel® QM77/HM76
System Memory	204-pin DDR3 DDR3 1333/1600MHz SODIMM x 1, up to 8GB
Display Interface	VGA DB-15 x 1
	DVI Optional
	HDMI —
	Others —
Storage Device	SSD 2.5" SSD x 1 (optional)
	HDD 2.5" SATA HDD bay x 1
Network	LAN Gigabit Ethernet
	Wireless Optional by Mini Card
Front I/O	USB Host USB 2.0 x 2
	LAN —
	Serial Port RS-232 x 1
	DIO —
	Audio Mic-in, Line-out
	KB/MS —
	Others Power & HDD indicated LED x 2, antenna hole x 2
Rear I/O	USB Host USB 3.0 x 2
	LAN RJ-45 x 2
	Serial Port RS-232 x 3 ( COM2: RS-232/ 422/ 485)
	DIO 8-bit
	Audio —
	KB/MS —
	Others Power On/Off Switch x 1, Power DC-in, VGA x 1
Expansion	PCIe —
	PCI —
	Mini Card 1
	Mini PCI —
	Others CFast™ x 1
Indicator	Front Power LED x 1, Hard Disk Drive active LED x 1
	Rear —
Power Requirement	DC-in +12V ATX with DC jack, lockable
Power Consumption	Intel® Core™ i7-3610QE 2.3 GH DDR3 1333 8G: 5.2A@+12V Intel® Core™ i5-3610ME 2.7 GH DDR3 1333 8G: 3.47A@+12V
System Cooling	Fan (support easy fan)
Mounting	Wallmount (optional)
Operating temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Anti-Vibration	1g rms/5 ~ 500Hz/operation – HDD
Anti-Shock	20g peak acceleration (11 msec. duration) – HDD
MTBF	50,000 Hours (not include Power adapter)
Certification	EMC CE/ FCC class A
	Safety —
Dimension (W x H x D)	7.79" x 7.09" x 1.77" (198mm x 180mm x 45mm)
Gross Weight	3.75 lb (1.7 Kg)
Note	Windows® XP Embedded, Windows® XP, Windows® 7, Linux Fedora, Supports Hi-Safe, Hi-Manager (i7/i5 and QM77 Support Only)

# TKS-G50-QM77

## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	RAM	Cooler	Storage	Display	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power
TKS-G50-QM77-001-DX	Intel® 3rd Gen. Core™ i7/i5/i3 PGA CPU	DDR3	Fan	2.5" SATA	CRT	2	USB2.0 x 2	3	1	Mini Card x 1	+12V, ATX

## Packing List

- CPU Cooler with Fan
- Product DVD
- TKS-G50-QM77

## Optional Accessories

- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **9761TG21000**  
Wallmount kits
- **1757910003**  
100W Adapter for i7/i5 Platform
- **1255301300**  
130W AC Adapter for i7 Platform