

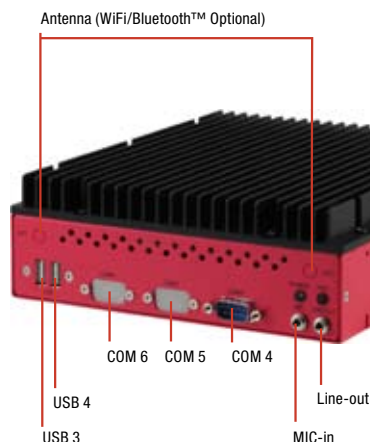
TKS-G21-QM77B

Fanless Embedded Box for Intel® 3rd Generation Core™ i7/i3/Celeron® Mobile Processor

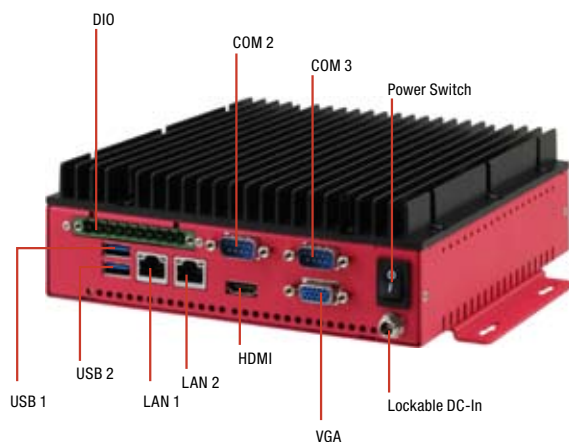
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Turn-Key Chassis Solutions (EmBox)

Front View



Rear View



Features

- Intel® 3rd Generation Core™ i7/i3/Celeron® Mobile Processor
- Intel® QM77/HM76
- SODIMM DDR3 1333/1600, Max. 8 GB
- Fanless System
- Gigabit Ethernet x 2, CRT, HDMI
- 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
- +12V Only Operation
- Support Hi-Safe and Hi-Management (iAMT)*



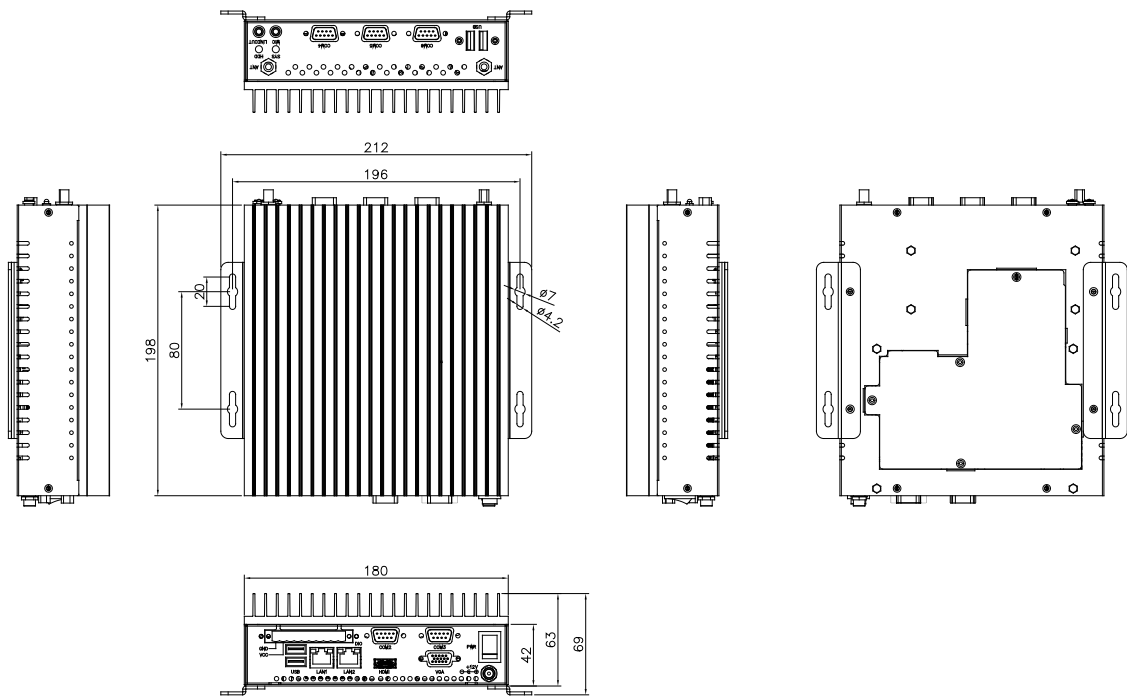
Specifications

CPU		Intel® Core™ i7/i3/Celeron BGA processor, Intel® Core™ i7-3555LE 2.5 GHz, Intel® Celeron® 847E 1.1GHz
Chipset		Intel® QM77/HM76
System Memory		204-pin DDR3 SODIMM x1, Max. 8 GB
Display Interface	VGA	DB-15 x1
	DVI	—
	HDMI	HDMI x1
	Others	—
Storage Device	SSD	2.5" SSD x 1 (option)
	HDD	2.5" SATA HDD bay x 1
Network	LAN	Gigabit Ethernet, RJ-45 x 2
	Wireless	Optional by Mini Card
Front I/O	USB Host	USB 2.0 x 2
	Serial Port	RS-232 x 1
	Audio	Mic-in, Line out
	Others	Power & HDD indicator LED x 2, antenna hole x 2
Rear I/O	USB Host	USB 3.0 x 2
	LAN	Gigabit Ethernet, RJ-45 x 2
	Serial Port	RS-232 x 2 (COM2: RS-232/422/485)
	DIO	DIO 8 bits with VCC and Ground
	Others	Power On/Off Switch x 1, Power DC-in, VGA x1, HDMI x1
Indicator	Mini Card	x 1
	Others	CFast™ x 1
	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™ i7-3555LE 2.5 GHz, DDR3 1333 8G 2.49A@+12V
System Cooling		Fanless
Mechanical		
Mounting		Wallmount (optional)
Dimension		7.79" x 7.08" x 2.48"(198mm x 180mm x 63mm)
Gross Weight		4.85lb (2.2 Kg)
Net Weight		4.23lb (1.92 Kg)
Certification	EMC	CE/FCC Class A
	Safety	—
Environmental		
Operation Temperature		32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature		-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operation Humidity		0% ~ 90% relative humidity, non-condensing
Anti-Vibration		5g rms/ 5-500Hz/ random operation (CFast™) 1g rms/ 5-500Hz/ random operation (Internal Hard Disk Drive active module)
Anti-Shock		50g peak acceleration (11 msec. duration) (CFast™) 20g peak acceleration (11 msec. duration) (Hard Disk Drive Module)
MTBF		—
OS support		Windows® XP Embedded, Windows® XP, Windows® 7, Windows® 8, Linux Fedora
Others		Hi-Safe and Hi-Management (iAMT) *

Remark: * Hi-Management (iAMT) support i7 and QM77 only

TKS-G21-QM77B

Dimension Unit: mm



Ordering Information

Part Number	CPU	RAM	Storage	Display	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Mounting	Power
TKS-G21-QM77B-001-DX	Intel® Core™ i7-3555LE 2.5 GHz	SODIMM DDR3 1333MHz up	2.5"SATA HDD, mSATA	HDMI, VGA	2	4	2	1	Mini Card, CFast™	Wallmount	+12V, ATX

Packing List

- Product CD
- TKS-G21-QM77B

Optional Accessories

- 1702031802
Power Cord (US Type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)
- 9761G21000
Wallmount Kit
- 1757908403
84W Adaptor AC 100/240V 12V/7A