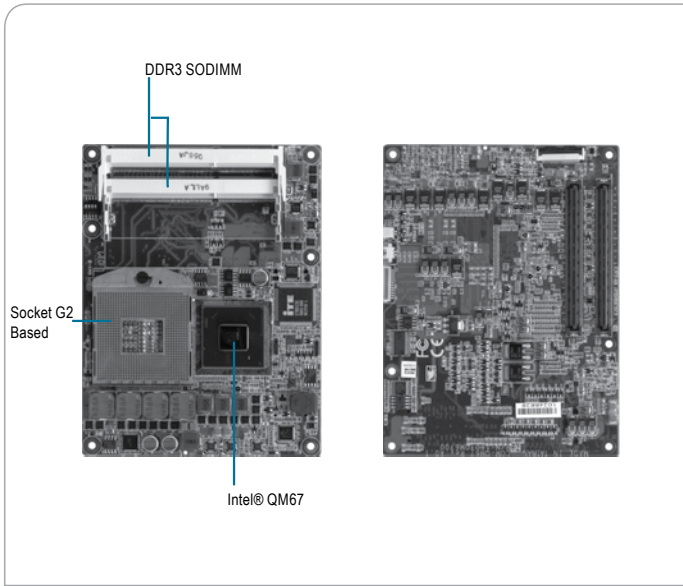


COM-QM67

COM Express CPU Module with Onboard Intel® Core™ i7/ i5/ i3/ Celeron® Processors

07

COM Express CPU Modules



Features

- Intel® Core™ i7/ i5/ i3/ Celeron® (Socket-G2 Based) Processors
- Intel® QM67 PCH
- Dual-channel SODIMM DDR3 1066/1333 Memory, Max. 16 GB
- Gigabit Ethernet
- CRT, Up to 24-bit Dual-channel LVDS LCD, DisplayPort, HDMI, DVI, SDVO
- High Definition Audio Interface
- SATA 6.0Gb/s x 2 + SATA 3.0Gb/s x 2
- USB 2.0 x 8
- PCI-Express [x16] x 1, PCI-Express [x1] x 6
- Wide DC Input Range, +8.5V to +19V (Optional)
- COM Express Basic Module Pin-out Type 6, COM.0 Rev. 2.0



Specifications

System	
Form Factor	COM Express basic module, Pin-out Type 6, COM.0 Rev. 2.0
Processor	Intel® Core™ i7/i5/i3/Celeron® (Socket-G2 based)
System Memory	204-pin DDR3 SODIMM x 2, Max. 16 GB (DDR3 1066/1333), support dual-channel function
Chipset	Intel® QM67
I/O Chipset	Intel® QM67
Ethernet	Intel® 82579LM, 10/100/1000 Base-TX
TPM	v1.2
BIOS	AMI BIOS SPI type, 2MB ROM
EEPROM	Atmel AT24C02, save BIOS and configuration data (Optional)
Wake on LAN	Yes
Watchdog Timer	ITE8513E-L
H/W Status Monitoring	Supports CPU temperature monitoring
Expansion Interface	PCI-Express [x16] x 1 PCI-Express [x1] x 7 LPC bus x 1 SMBus x 1 UART x 2 I2C x 1
Power Requirement	Wide DC input range, +8.5V to +19V (Optional) Nominal: +12V 2-pin wafer for RTC battery
Power Consumption (Typical)	TBC
Board Size	4.92"(L) x 3.74"(W) (125mm x 95mm)
Gross Weight	0.66 lb (0.3 Kg)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	TBC
Display	Supports CRT/LCD, CRT/TV, CRT/DVI, LCD/TV, LCD/DVI simultaneous/ dual view displays
Chipset	Intel® Core™ i7/ i5/ i3/ Celeron® (ECC) processor integrated Integrates hardware MPEG2 decoder"
Memory	Shared system memory up to 512MB/ DVMT 5.0
Resolution	Up to 2048 x 1536 (QXGA) for CRT UP to 1920 x 1200 (UXGA) for LCD
LCD Interface	Up to 24-bit dual-channel LVDS
SDVO/ DVO/ Side Port	Support SDVO x 1
HDMI	Supports HDMI x 3
DVI	Supports DVI x 3
DisplayPort	Supports DisplayPort x 3
TV-out	—

I/O	
Storage	SATA 3.0Gb/s x 2 SATA 6.0Gb/s x 2
Serial Port	UART x 2
Parallel Port	—
USB	USB 2.0 x 8
PS/2 Port	—
Digital I/O	—
IrDA	—
Audio	High definition audio
GPIO	Up to 4 in and 4 out

Packing list

- M2.5 Screw x 5
- Product CD
- COM-QM67

Ordering Information

- **TF-COM-QM67-A10**
COM Express CPU Module, Socket G2, QM67, Dual DDR3, Gigabit Ethernet, USB 2.0, Type 6, Rev.A1.0

Optional Accessories

- **TF-ECB-917T-A10**
COM Express Carrier Board, mini-ITX, Dual Gigabit Ethernet, 7.1CH Audio, 4COM, USB, PCI-Express, AT/ATX, Rev. A1.0