



Features

- Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 Processor
- Intel® QM57 Chipset
- One 204-pin DDR3 SODIMM Up to 4GB DDR3 800/ 1066 SDRAM
- Dual View, Dual-channel 18/ 24-bit LVDS, VGA, HDMI
- 5.1-CH Audio, Dual Intel® Gigabit Ethernet
- 1 CFast, 2 SATA, 2 COM, 5 USB, 16-bit GPIO
- Support iAMT 6.0

Specifications

System

• CPU	Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 Processor
• BIOS	AMI 8Mbit SPI BIOS
• System Chipset	Intel® QM57
• I/O Chip	Nuvoton W83627DHG-P
• System Memory	One 204-pin SODIMM Socket Supports Up to 4GB DDR3 800/ 1066 SDRAM
• SSD	One CFast Socket
• Watchdog Timer	Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control
• Expansion	1 x PCIe Mini Card Slot (From AUX-033)

I/O

• MIO	1 x RS-232, 1 x RS-232/ 422/ 485, LPC, 2 x SATA
• USB	5 x USB 2.0
• DIO	8-bit GPI, 8-bit GPO

Display

• Chipset	Intel® QM57
• Resolution	CRT Mode: 2048 x 1536 @ 75Hz LCD/ Simultaneous Mode: 1600 x 1200 @ 75 Hz
• Multiple Display	CRT + LVDS, HDMI + LVDS, CRT + HDMI
• LCD Interface	Dual-channel 18/ 24-bit LVDS

Audio

• HD Codec	Realtek ALC888 Supports 5.1-CH Audio
• Audio Interface	Mic-in, Line-in, Line-out

Ethernet

• LAN	1 x Intel® 82577LM Gigabit Ethernet 1 x Intel® 82574L Gigabit Ethernet PHY
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+12V
• ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	Single Power AT/ ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0%~90% Relative Humidity, Non-condensing
• Size (L x W)	5.7" x 4" (146mm x 101mm)
• Weight	0.44lbs (0.2kg)

Ordering Information

- **ECM-QM57**
Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 3.5" Micro Module with Intel® QM57 Chipset and VGA, 2-CH LVDS, HDMI, 5.1-CH Audio, 2 Gigabit Ethernet, CFast, 2 SATA, 2 COM, 5 USB & 16-bit GPIO
- **AUX-033-1R**
Mini-PCIe Daughter Board for ECM-QM57
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
- **ACC-MEM-xx**
Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)