



Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 Processor

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, 2-CH 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

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|----------------------|--|
| • CPU | Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 Processor |
| • BIOS | AMI 8Mbit SPI BIOS |
| • System Chipset | Intel® QM57 |
| • I/O Chip | Winbond 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, Auto Throttling Control When CPU Overheats |
| • 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

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|--------------------|---|
| • 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

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|-------------------|--------------------------------------|
| • AC97 Codec | Realtek ALC888 Supports 5.1-CH Audio |
| • Audio Interface | Mic-in, Line-in, Line-out |

Ethernet

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

Mechanical & Environmental

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|-------------------------|---|
| • Power Requirement | +12V |
| • ACPI | Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant |
| • Power Type | 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**
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)