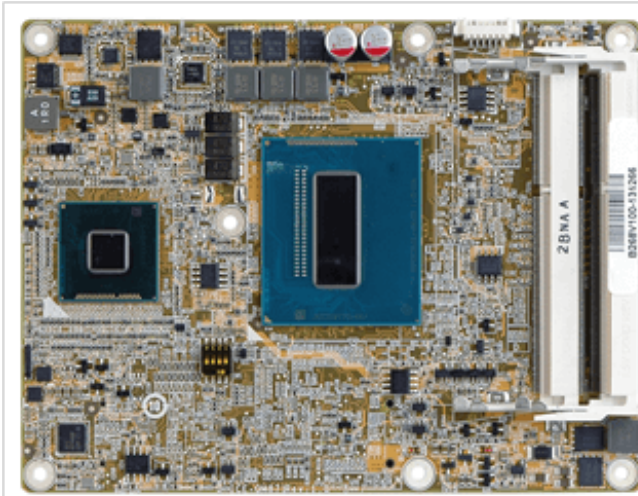


# ICE-QM871

COM Express Basic Type 6 Module Supports Intel® 22nm 4th Generation Mobile Core™ Processor



## Features

- » 4th generation Intel® mobile Core™ i7/i5/i3 or Celeron® on-board processor
- » Intel® HD Graphics technology integrates high-performance graphics and media processing
- » Dual-channel 1600/1333 MHz DDR3 support up to 16 GB
- » Support 1.5V/1.35V DDR3 SO-DIMM
- » 18/24-bit dual-channel LVDS, analog CRT and three DDI supported
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- » Support AMT 9.0

## Specifications

<b>BIOS</b>	
BIOS	UEFI BIOS
<b>Display</b>	
Display Output	3 x DDI: DisplayPort/HDMI™/DVI (up to 2560x1600@60 Hz) (to baseboard)
	1 x VGA (up to 1920x1200@60 Hz) (to baseboard)
	1 x Dual-channel 18/24-bit LVDS (up to 1920x1200@60 Hz) (to baseboard)
<b>Environment</b>	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-20°C ~ 60°C
<b>I/O Interface</b>	
Ethernet	LAN: Intel® I217LM Clarkville-V with Intel® AMT 9.0 support
Expansion	1 x PCIe x16 signal (to baseboard)
	7 x PCIe x1 signal (to baseboard)
GPIO	8-bit GPIO
<b>I/O Interface</b>	
I/O Interface	8 x USB 2.0
	2 x RS-232
	4 x SATA 6Gb/s
	4 x USB 3.0
	I²C
	SMBus
<b>Power</b>	
Power consumption	+12V1@1.86A, +12V2@3.70A
	(Intel® Core™ i7-4700EQ 2.4GHz CPU with 8 GB (two 4 GB) 1333 MHz DDR3 memory)
<b>System</b>	
Chipset	Intel® QM87
CPU	Socket G2 for 2nd & 3rd Intel® mobile Core™ i7-4700EQ on-board processor with Intel® AMT 9.0 support
	(2.4GHz, quad-core, 6MB cache, TDP=47W)
	Intel® mobile Core™ i5-4402E on-board processor with Intel® AMT 9.0 support
	(1.6GHz, dual-core, 3MB cache, TDP=25W)
	Intel® mobile Core™ i3-4102E on-board processor (1.6GHz, dual-core, 3MB cache, TDP=25W)
	Intel® mobile Celeron® 2002E on-board processor (1.5GHz, dual-core, 2MB cache, TDP=25W)

	Intel® mobile Core™ i5-4400E on-board processor with Intel® AMT 9.0 support (2.7GHz, dual-core, 3MB cache, TDP=37W) (by request)
	Intel® mobile Core™ i3-4100E on-board processor (2.4GHz, dual-core, 3MB cache, TDP=37W) (by request)
	Intel® mobile Celeron® 2000E on-board processor (2.2GHz, dual-core, 2MB cache, TDP=37W)(by request) generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® processor
Memory Max.	Two 204-pin 1600/1333 MHz dual-channel DDR3 & DDR3L SDRAM unbuffered DIMMs support up to 16 GB
Watchdog Timer	
Watchdog Timer	Software programmable, support 1~255 sec. system reset

## Ordering Information

ICE-QM871-i7-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i7-4700EQ processor(45W),VGA,LVDS,DDI,GbE,PCIE Gen3,SATAIII,USB 3.0 and HD Audio,RoHS
ICE-QM871-CE-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Celeron Mobile 2002E processor(25W),VGA,LVDS,DDI,GbE,PCIE Gen3,SATAIII,USB 3.0 and HD Audio,RoHS
ICE-QM871-i3E-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i3-4102E processor(25W),VGA,LVDS,DDI,GbE,PCIE Gen3,SATAIII,USB 3.0 and HD Audio,RoHS
ICE-QM871-i5E-R10	COM Express Basic Type 6 module supports Intel® 22nm 4th Generation Mobile Core™ i5-4402E processor(25W),VGA,LVDS,DDI,GbE,PCIE Gen3,SATAIII,USB 3.0 and HD Audio,RoHS