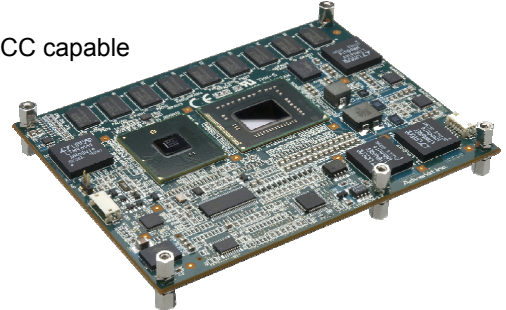


### COM Express CPU Module with 2<sup>nd</sup> generation Intel<sup>®</sup> Core<sup>™</sup> processor

#### ■ Features ■

- Intel<sup>®</sup> Core<sup>™</sup> i7-2715QE / Intel<sup>®</sup> Core<sup>™</sup> i5-2515E COM Express Module
- COM Express Type2 Basic size module (125mm x 95mm)
- Main memory - DDR3-1333 SDRAM memory down, up to 8GB, ECC capable
- Ethernet - one 10/100/1000BASE-T
- Graphics - one Analog VGA, one SDVO, one LVDS
- SATA - four SATA-300
- USB - eight USB2.0
- PCI Express - one x16 (available as two x8)
- PCI Express - one x4 (available as four x1)
- PCI Express - two x1
- PCI Bus - one 32bit/33MHz
- OS - Windows7, Windows XP SP3, Windows Embedded Standard 7, Wind River Linux
- RoHS - Compliant



#### ■ Specifications ■

CPU	Processor (selectable before shipment)	Intel <sup>®</sup> Core <sup>™</sup> i7-2715QE processor / 2.1GHz, 45W Intel <sup>®</sup> Core <sup>™</sup> i5-2515E processor / 2.5GHz, 35W	
	Chipset	Mobile Intel <sup>®</sup> QM67 chipset	
	Main Memory	DDR3-1333 SDRAM memory down, up to 8GB, ECC capable (selectable from 1GB/2GB/4GB/8GB before shipping)	
Memory	Boot ROM	SPI-FLASH, 8MB	
	Standard	PICMG COM.0 COM Express Module Base Spec Rev 1.0	
COM Express	Module size	Basic size (125 mm x 95 mm)	
	Pinout type	Type 2	
	PCI Express		one x16 (available as two x8) one x4 (available as four x1) two x1
		Graphics	one Analog VGA, one SDVO, one LVDS
		SATA	four SATA-300
	USB	eight USB 2.0	
	Ethernet	one 10/100/1000BASE-T	
	PCI	one 32bit/33MHz	
	LPC	one LPC bus	
	SM	one SMBus	
	I2C	one I2C bus	
	GPIO	four GPI, four GPO	
	Power supply	DC 12V (VCC_12V)	12.0V, ±5%, TBD
DC 5V (VCC_5BSBY)		5.0V, ±5%, TBD	
DC 3V (VCC_RTC)		3.0V, TBD	
Physical	Dimensions	125mm x 95mm x 16.8mm (Hight including heat spreader and 8mm spacer)	
	Radiator	Radiators such as heat spreader and passive heat sink are available	
	Weight	TBD	
Environment	Operation temp.	0 to +60°C	
	Storage temp.	-10 to +70°C	
	Humidity	Below 80%RH, no condensation	
	RoHS	Compliant	

Note: Specifications are subject to change without prior notice.



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## COM Express CPU Module with 2<sup>nd</sup> generation Intel<sup>®</sup> Core<sup>™</sup> processor

■ Block Diagram ■

