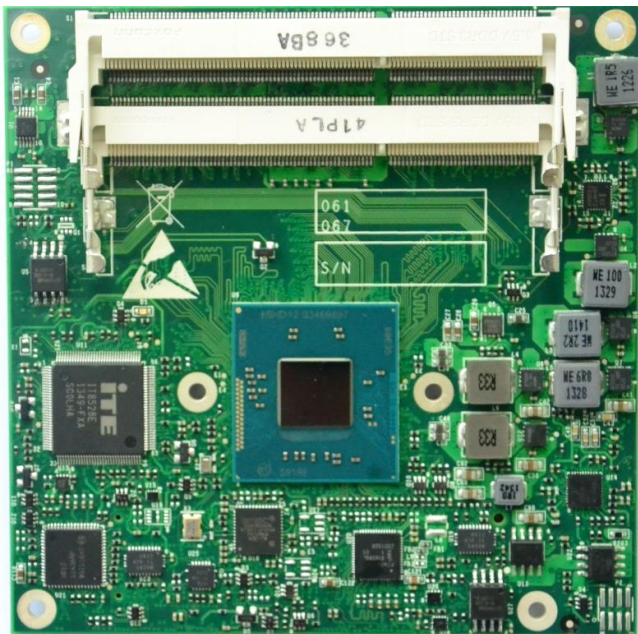


CE6BT COM Express Module



蓝玛科技 CE6BT COM Express 模块，使用英特尔 Bay Trail 平台 SOC，板型尺寸为 95mm x 95mm，符合 PICMG COM Express R 2.1 Type 6 标准定义。模块支持两根 4GB SODIMM DDR3L 内存，可选千兆网卡，支持 VGA, LVDS/eDP 和 DDI 显示输出。CE6BT COM Express 模块可作为低功耗高性能，如能源、交通、医学影像、通信、军工、航天和测试/测量等应用，是低功耗高性能的理想解决方案。

Compact Module Form Factor

CE6BT 基于 95mm x 95mm 的紧凑型尺寸，支持高达 8G SODIMM DDR3L 内存。COMExpress(Type 6)的板级连接器能够支持 PCI-E、SATA、USB3.0/2.0、LVDS/eDP、

DDI 等高速串行差分信号连接。

CE6BT 模块从英特尔 BayTrail 系列 SoC 发布之初开始设计，具有极高的稳定性。因此，原始设备制造商可以专注于核心能力譬如软件和应用开发而不是高速电路设计。原始设备制造商对功能修改、需求变更、性能升级等问题能够轻而易举的实现而无需重新设计产品。

设计服务

基于蓝玛科技 CE6BT COM Express 模块，原始设备制造商在设计自己的载板时，能够得到蓝玛科技的全程服务，如原理图检查和建议、调试协助、Gerber 文件参考、BIOS 客制化等等。蓝玛科技支持原始设备制造商在开发产品任何阶段的载板设计咨询和调试服务。想获得更多信息，请咨询你的 LandmarkTech 销售经理或邮件：LMT@Landmark-Tech.com。

订单信息

型号	描述
CE6BTHD2-E3845-0	COM-E Rev 2.1, Type 6 Module with Intel Atom™ E3845/1.91 GHz/ 542/792 (Turbo) /TDP-10W /4 Core/2MB Cache, I-TEMP
CE6BTHD2-E3825-0	COM-E Rev 2.1, Type 6 Module with Intel Atom™ E3825 /1.33 GHz/ 533 (No Turbo)/TDP- 6W/2 Core/1MB Cache, I-TEMP
CE6BTHD2-E3815-0	COM-E Rev 2.1, Type 6 Module with Intel Atom™ E3815/1.46 GHz /400 (No Turbo) /TDP-5W /1 Core/512KB Cache, I-TEMP
CE6BTHD2 - AHS-0	CE6BTHD module, Active Heat Sink
CE6BTHD2 - PHS-0	CE6BTHD, Passive Heat Sink

CE6BT Module Specifications

Feature	Function	Description
Form Factor	Type	Type 6, 95mm x95mm
	Compliance	PICMG COM Express R2.1 Compact Form Factor
Processor	E3845	Atom™ E3845 1.91 GHz 542/792 (Turbo) 10W (4C/1333)
	E3825	Atom™ E3825 1.33 GHz 533 (No Turbo) 6W (2C/1066)
	E3815	Atom™ E3815 1.46 GHz 400 (No Turbo) 5W (1C/1066)
Memory	Type	2 DDR3L SO-DIMM, up to 1333 MT/s
	Capacity	8GB maximum, up to 4GB per channel
Flash	8MB SPI flash	8MB SPI flash for BIOS storage
Video	Intel® HD Graphics	VGA: resolutions up to 2048×1536 pixels at 75Hz
		LVDS/eDP: 18 bit or 24 bit single/dual channel panel with resolutions up to 1920×1200 pixels at 60 Hz LVDS or eDP
		DDI: HDMI\DP\DVI, up to 2560 x 1600, HDMI up to 1920 x 1200
Networking	Single LAN	Option One 10/100/1000Base-T
Audio		High Definition Audio
		Speaker Out
Storage	SATA	2 SATA ports supporting both 1.5 and 3.0 Gbps operation
PCI Express	PCI Express x1	Option 1 (No Networking): Four PCI Express x1 interface, configurable as one x4; or two x2; or one x2 and two x1; or four x1 port
		Option 2 (with Net working): Three PCI Express x1 interface, configurable as one x2 and one x1; or three x1;
USB	USB2.0	Eight USB 2.0 expansion ports
	USB 3.0	One USB 3.0 expansion port
LPC		One LPC interface
TPM	TPM 1.2	ATMEL AT97SC3204 compliant with TPM1.2(Build option)
Power		AT: +12 power rail, primary input, supports 9.0V–16.8V power supply
		ATX: 5VSB and +12 power rail input, +12 supports 9.0V–16.8V power supply
Power Management		ACPI 5.0 supporting states S0, S3, S4, S5 G3 or No ACPI supporting S0,G3
Miscellaneous		One SMBus from SoC
		One I2C bus from MCU

		Eight GPIO (four GPI and four GPO)
		Watchdog timer
BIOS		EFI Firmware
OS	Windows 7	Windows 7 64-bit
		Windows 7 Embedded Compact 64-bit
	Windows 8	Windows 8 Professional
	Linux	Ubuntu 10.04
Ubuntu 14.04		

Physical Specifications

Physical	Dimensions	95mm x 95mm	
	Compliance	PICMG COM Express R2.1 Compact Form Factor, Type 6	
Environment	Cooling	Forced air	Class EAC1 as defined in the ANSI/VITA 47-2005
		Conduction	Class ECC1 as defined in the ANSI/VITA 47-2005
	Temperature	Operating	Up to 2300m (7500 ft), -40 to 85 °C
			Derated -1.1 C per 305 m (1000 ft) above 2300 m (7500 ft)
		Non-operating	-40 to +85 °C
	Shock	Operating	30G, half sine shock pulse, 11ms duration, 3 times per face
		Non-Operating/ Unpacked	40G, half sine shock pulse, 11ms duration, 3 times per face (unpacked)
		Transportation/ Packaged	Fixtured assembly: 50G, 17.4 ms trapezoidal pulse Drop test, 10-up bulk packaging, 30in free-fall, one drop on each of six faces
	Vibration (random)	Operating	Random 5Hz to 2KHz, 7.7
			grms, 10min in each of 3 axes
			5Hz – 20Hz: 0.004g ² /Hz ramping up to 0.04g ² /Hz
20Hz to 1000Hz: 0.04g ² /Hz			
	Non-Operating/	1000Hz to 2000Hz: 0.04g ² /Hz ramping down to 0.01g ² /Hz	
	Non-Operating/	Random 5Hz to 2KHz, 9.7	

	Storage		grms, 10min in each of 3 axes	
			5Hz – 20Hz: 0.006g2/Hz ramping up to 0.06g2/Hz	
			20Hz to 1000Hz: 0.06g2/Hz	
			1000Hz to 2000Hz: 0.06g2/Hz ramping down to 0.02g2/Hz	
	Humidity	Operating	5% to 95% non-condensing, 95%RH@30C, linear Derated to 25%RH@85C	
		Non-Operating/ Storage	5% to 95% non-condensing	
	Altitude	Operating	To 15,000ft (4570m)	
		Non-Operating/ Storage	To 40,000ft (12000m)	
Regulatory	Safety	UL60950-1, EN60950-1, IEC60950-1		
	RoHS	RoHS compliant		
	EMC	EN55024, EN55022, and FCC Part 15, Subpart B, Class B		