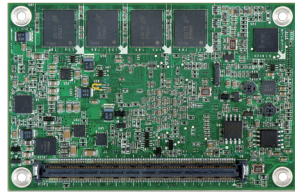
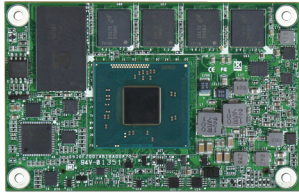


PCOM-BA00

Type 10 Mini COM-Express® 模块计算机 搭载 英特尔Atom® E3800 series SoC 与 DDR3L SDRAM, NANDrive and USB 3.0



产品特点

- Intel Atom® Processor E3800 Series (Bay Trail)
- On Board DD3L SDRAM up to 4GB, On Board SSD up to 64GB
- Low Power Consumption (3 to 10W)
- Supports Wide Operating Temperature and Wide Voltage
- Support VGA, LVDS, DP, eDP and USB 3.0



PCOM-BA00，一款基于 Intel® Bay Trail Atom® E3800 系列 SoC 的 Type 10 Mini COM Express® (84 x 55 mm) 模块。在此架构下，它可以提供 VGA、LVDS、eDP 和 DP 多屏显示，以及可扩展的 I/O 接口，包括 3 个 PCIe 2.0 x 1、1 个 USB 3.0、4 个 USB 2.0、2 个串口和 2 个 SATA II 设备。超低功耗（3 至 10W），宽温支持，可提供非常节能和高效的性能。Portwell 希望将 PCOM-BA00 推广为垂直解决方案，以针对不同的多功能应用。

特点

Product	PCOM-BA00				
Form Factor	Type 10, Mini Form Factor COM-Express® (84 x 55 mm)				
Processor	Intel®				
	E3845	E3827	E3825	E3815	E3805
Core	4	2	2	1	2
Freq.	1.91 GHz	1.75 GHz	1.33 GHz	1.46 GHz	1.33 GHz
Turbo	N/A				
Cache	2MB	1MB	1MB	512KB	1MB
Processor Graphics	Intel® HD Graphics for Intel Atom® Processor Z3700 Series, not Include E3805				N/A
Graphics Base Frequency	542 MHz	542 MHz	533 MHz	400 MHz	533 MHz
Graphics Max Dynamic Frequency	792 MHz	792 MHz	533 MHz	400 MHz	533 MHz
HW Encoding	H.264 and MPEG2				
HW Decoding	H.264, MPEG2, MVC, VC-1, WMV9, JPEG/MKPEG, VP8				
HW Acceleration	Gen7LP, DirectX 11, OpenGL 3.2, OpenCL 1.2, OGL ES Haili/2.0/1.1				
Processor TDP	10W	8W	6W	5W	3W
BIOS	AMI BIOS				
ECC Memory Supported	YES				
Memory	On board DDR3L SDRAM up to 4GB 1333 MT/s				

输入/输出接口

输入/输出接口			
SATA	2x SATA II		
USB	1 x USB 3.0 4 x USB 2.0		
Ethernet	Intel® Ethernet Controller I210T		
Serial I/O	GPIO	8 GPIO	
	I²C	Baud Rate: 400KHz	
	SMBus	Baud Rate: 100KHz	
	UART	2 Serial Port (Tx/Rx)	
PEG	N/A		
PCI Express	3 x PCIe 2.0 x 1 (Option 4 x PCIe 2.0 x1)		
Display	Default	Options	Resolution
	DP	DP	up to 2560x 1600 @ 60Hz
		VGA	up to 2560x 1600 @ 60Hz
		HDMI	up to 1920x 1080 @ 60Hz
	eDP	eDP	up to 2560x 1600 @ 60Hz
		LVDS(24bit, dual channel)	
Security	Intel® AES		

机构与环境条件

尺寸	84 x 55 mm
直流电输入	+4.75VDC to +20VDC, AT/ATX Mode
储存温度	-40°C to 80°C
运作温度	-40°C to 80°C
认证	Contact us
平均故障间隔	Over 120,000 hours at 40°C
震动	Contact us
操作系统	Windows 7, WES7/8, Embedded Compact7 Linux Fedora/Tizen/Yocto RTOS Windriver

订购指南

产品	Ordering P/N	Status
PCOM-BA00-E3845-2G	AB1-3B51	Available
PCOM-BA00-E3827-2G	AB1-3B50	Available
PCOM-BA00-E3825-2G	AB1-3B47	Available
PCOM-BA00-E3815-2G	AB1-3B49	Available
PCOM-BA00-E3805-2G	AB1-3C19	Available
PCOM-BA00-E3845-4G	AB1-3B48	Available
Accessory	Ordering P/N	Status
Heat Spreader	B8306940	Available
PCOM-CA00 (uATX Carrier Board)	AB1-3917	Available

方块图

PCOM-BA00

