

PCOM-BA00

Type 10 module based on COM Express 2.1 is designed as fan-less system solution (eg. tablet device, industrial thin client system, etc.), also as flexible embedded solution for versatile vehicle markets.



Intel® Atom™ E3800 series SoC based on type 10 Mini COM Express module with DDR3L SDRAM, NANDrive, LVDS/DDI support, USB3.0



PCOM-BA00 is the latest Mini COM Express by 84mm x 55mm with Intel® Bay Trail E3800 series SoC supports PCI Express, dual display, NANDrive storage features.

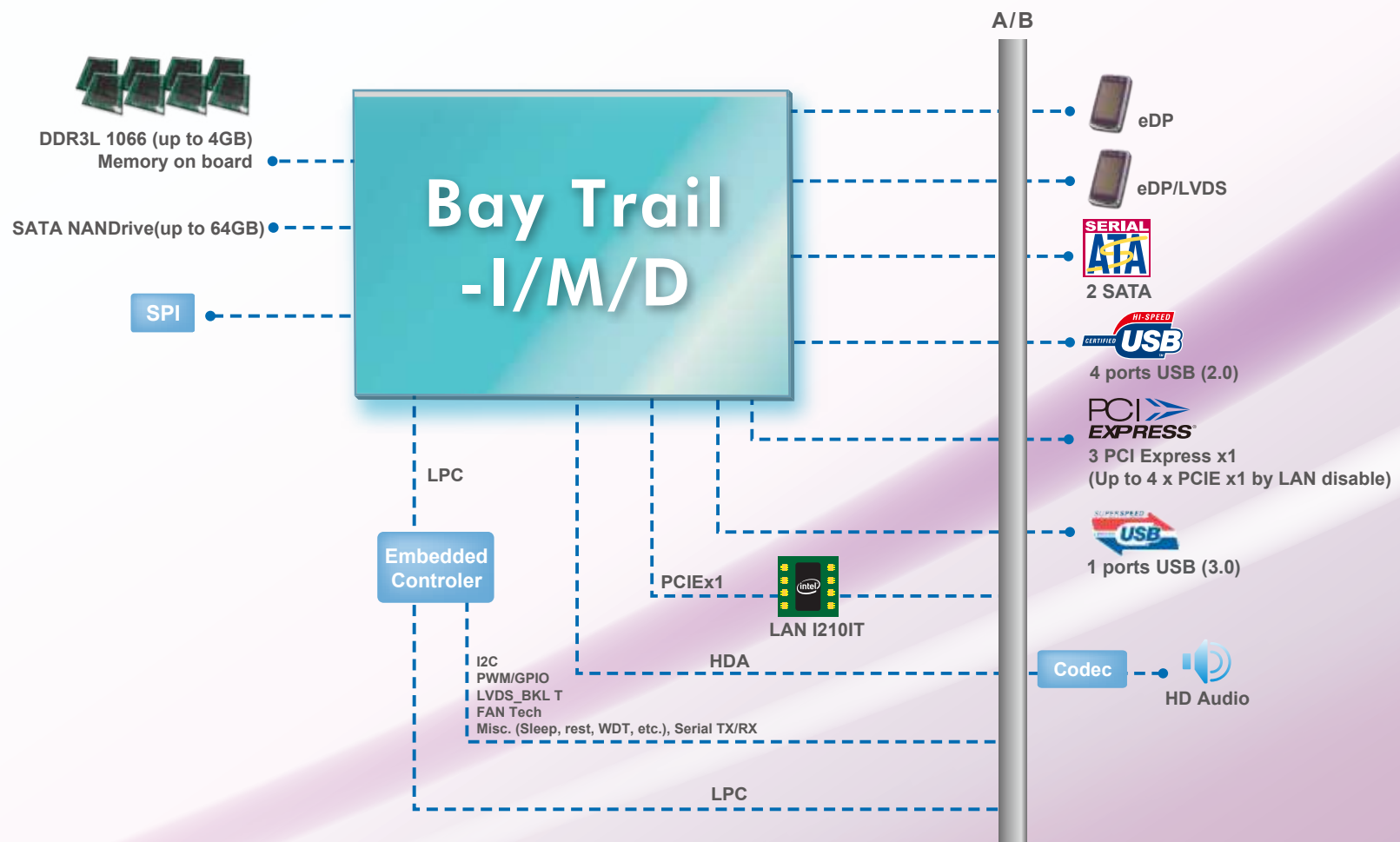
By low power consumption, wide-temp support, better computing, Portwell promotes with confidence PCOM-BA00 as vertical solution to aim at versatile applications, such as Automation, Military, Networking, Transportation, and so on.

FEATURES

- Atom™ Bay Trail SoC E3800 series processor with industrial support.
- Up to 4GB DDR3L memory-down.
- Three PCIe lanes (optional to Four)
- Support one USB3.0, four USB2.0.
- Support NANDrive storage by SATA channel.

ORDERING GUIDE

AB1-3B48	PCOM-BA00-E3845-4G with MOQ
AB1-3B51	PCOM-BA00-E3845-2G
AB1-3B50	PCOM-BA00-E3827-2G
AB1-3B47	PCOM-BA00-3825-2G with MOQ
AB1-3B49	PCOM-BA00-3815-2G



Processor Core

- ◆ Atom Bay Trail (SoC) with QC, DC, & Uni core SKUs
- ◆ 512KB~2MB Shared Last Level Cache
- ◆ SMT: 1 threads/core

Highlights

- ◆ Integrated Memory Controller: 1 Channels of Native DDR3L support
- ◆ Integrated Native PCI Express, option to 4
- ◆ USB 3.0 x1
- ◆ NANDDrive support
- ◆ Wild-temp support

Memory

- ◆ DDR3L 1066/1333 MT/s
- ◆ Up to 4GB 512x8
- ◆ Memory on board

Platform Thermal Design Power

	E3845	E3827	E3815
CPU	4C	2C	1C
Watt	10W	8W	5W