

PCOM-BA01

New generation low power processors on COM Express® Rev3.0 Mini form factor, enhanced Graphic performance for 4K and triple display



PCOM-BA01, Portwell's brand new COM Express® Mini size low power module, with display up to 4K digital display resolution. Wide temperature operation targeting for extreme environment

PCOM-BA01, a Type 10 COM Express® Compact (84mm x 55mm) module based on the 14nm Intel® Atom™ processor E3900 product family (6W~12W).



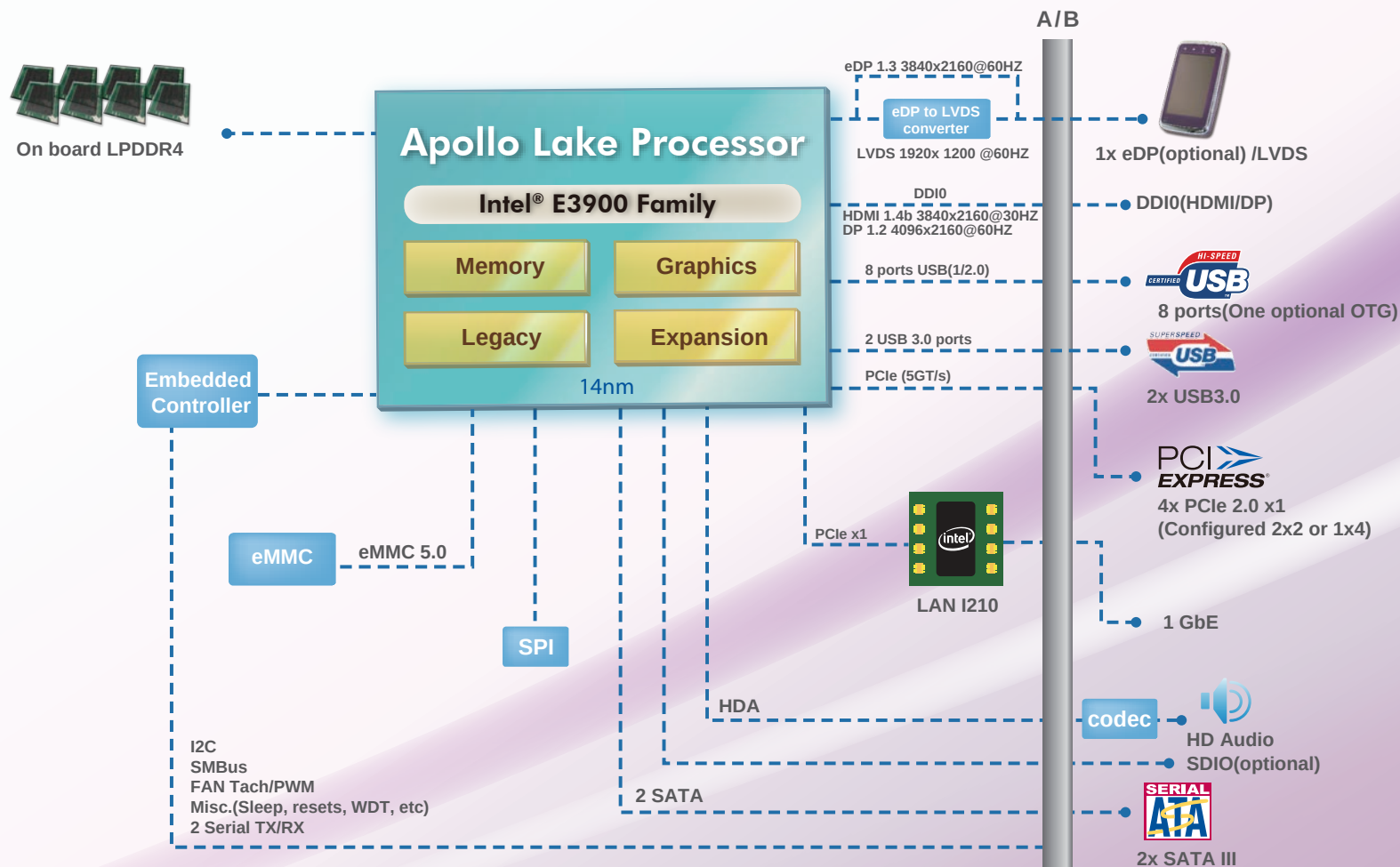
The Mini form factor PCOM-BA01 COM Express® module supports on board LPDDR4 SDRAM, making it faster than its predecessor

FEATURES

- COM Express Rev3.0 Mini Type 10
- Intel® (former codename Apollo Lake)Pentium®/Celeron®/Atom™ processors
- Low power consumption TDP 6W
- 1 DDI, LVDS/eDP display interface
- 4K resolution (*HDMI 3840x2160 @30Hz)
- Support -40°C to +85°C wide temperature

ORDERING GUIDE

Contact us	(R).PCOM-BA01. TYPE 10. Mini Form Factor.COM Express® Module. Intel® Apollo Lake
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Processor Core

- ◆ Intel® Pentium®/Celeron®/Atom™ SoC processors
- ◆ 2 Cores / 2 Threads
- ◆ 4 Cores / 4 Threads
- ◆ 2 MB L2 Cache

Highlights

- ◆ 12~18 Graphic Execution Units
- ◆ On board eMMC storage
- ◆ Wide temperature and input voltage

Memory

- ◆ On board LPDDR4 2133 MT/s
- ◆ 8GB Max

Platform Thermal Design Power

CPU	X5-E3930	X5-E3940	X7-E3950
Core Frequency	2 1.8Ghz	4 1.8Ghz	4 2.0Ghz
Watt	6W	9W	12W