PCOM- B636VG

M2M business is growing up due to IoT and Indutrail 4.0 application. Portwell provides new COM Express® product based on Intel® N3000 series to enable stable and real time function for communication and control system. With low power and EMC design of PCOM-B636, it helps customer to develop fanless and reliability system

Intel® Atom™ N3000 series based TypeVI COM Express with DDR3L SDRAM, VGA, LVDS, USB 3.0, PCIE and surround design.

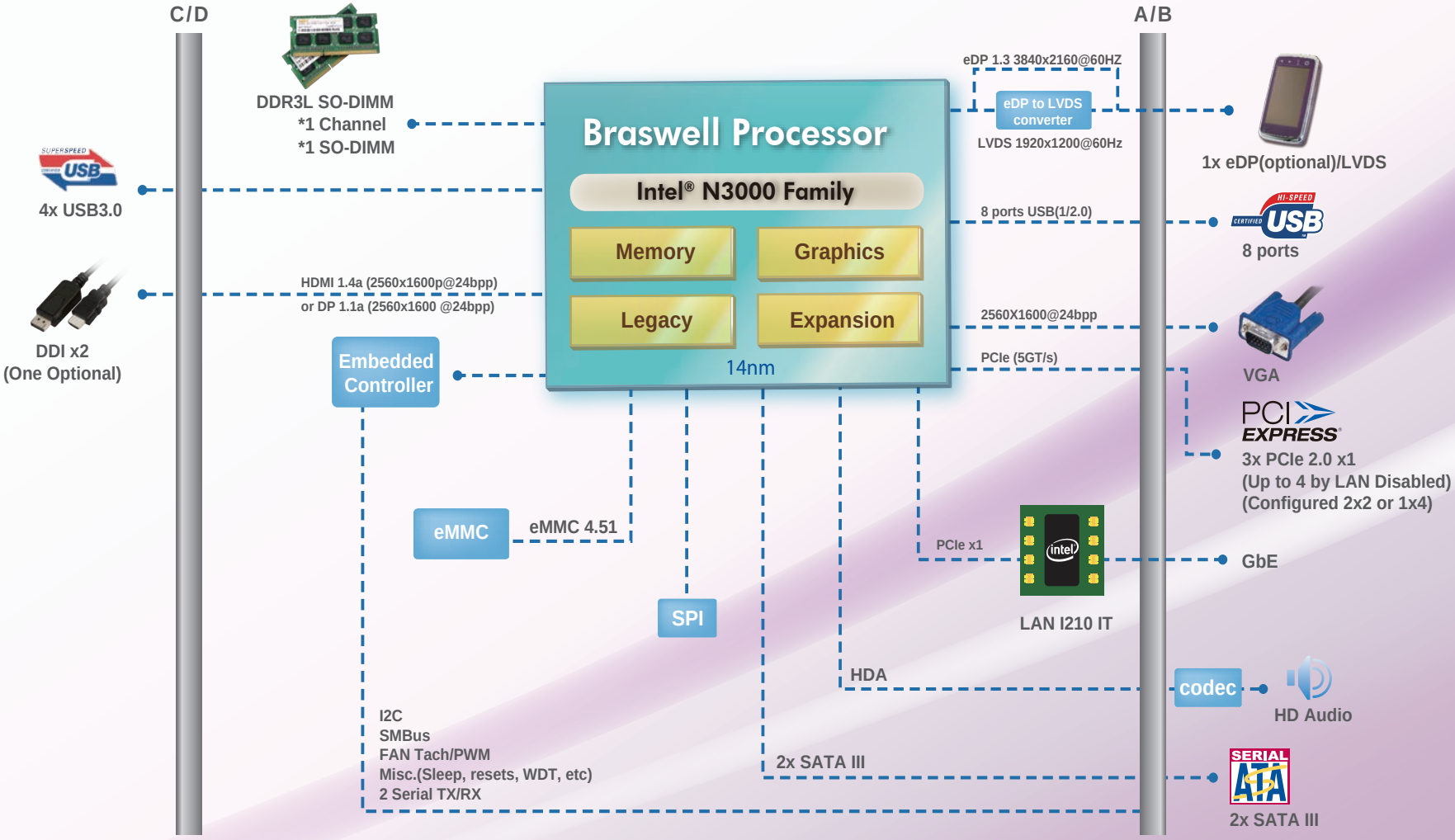
PCOM-B636VG COM Express® Type VI module with Intel® Atom™ N300 series SoC. Implementation of applications used for national security and cyber warfare require high intelligence systems capable of operating in remote conditions and under stringent conditions, more so than industrial computers.

FEATURES

- The latest Intel® Atom™ N3000 series embedded processor provides cost-effective solutions with low power and quad core processor technology
- Supports up to four PCIe lanes, four x 1 lanes can be configured to one x 4 lane
- Supports one DDR3L 1600/1333MT/s SDRAM, up to 8GB
- Supports four USB3.0
- Support eMMC storage

ORDERING GUIDE

AB1-3E73	(R).PCOM-B636VG-N3710.TYPE VI. Atom N3710 Quad Core 1.6GHz.Compact Form Factor.COM Express Module/EC
AB1-3E74	(R).PCOM-B636VG-N3160.TYPE VI. Atom N3160 Quad Core 1.6Hz.Compact Form Factor.COM Express Module/EC/LVDS
AB1-3F40	(R).PCOM-B636VG-N3060.TYPE VI. Atom N3060 DualCore 1.6GHz.Compact Form Factor.COM Express Module/EC/LVDS
AB1-3F41	(R).PCOM-B636VG-N3010.TYPE VI. Atom N3010 DualCore 1.04GHz.Compact Form Factor.COM Express Module/EC/LVDS



Processor Core

- Intel® N3010/N3060/N3160/ N3710
- 2M L2 Cache

Highlights

- Surround grounding design
- Integrated Native PCIEx1 and x4
- VGA/LVDS/DDI support
- eMMC storage support

Memory

- DDR3L 1600 MT/s
- 1 Memory Channel
- up to 8GB

Platform Thermal Design Power

	N3710	N3160	N3060	N3010
CPU				
Watt	6W	6W	6W	4W