

# PCOM-B636VG



M2M business is growing up by IoT and Indutrail 4.0 application. Portwell provide new COM Express product based 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 help 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.

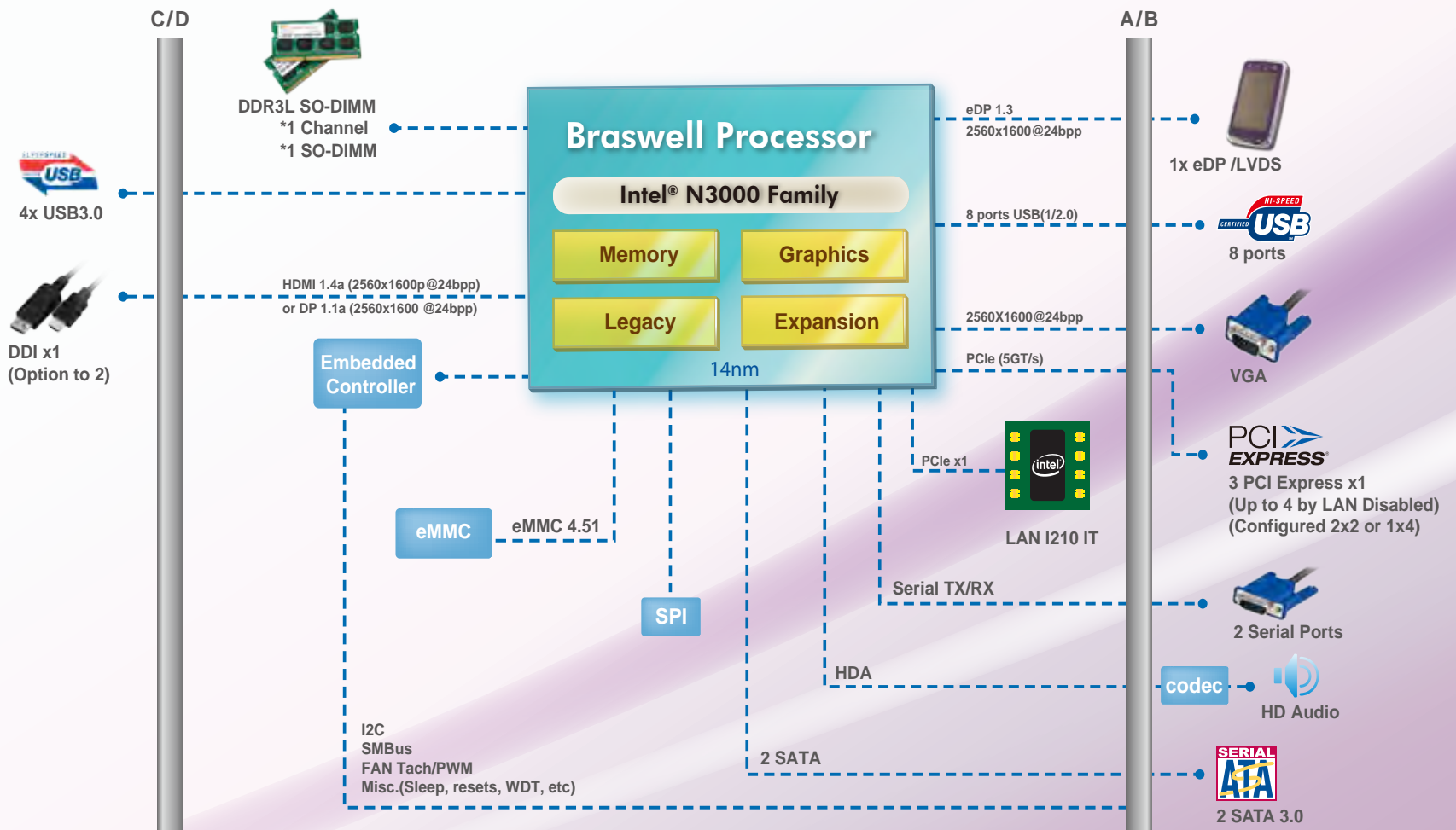
PCOM-B636VG COM Express® Type VI module with Intel Atom N300 series SoC. Implementation of applications used for national security and cyber warfare require high intelligence systems capable of operating in remote conditions and under stringent conditions, more so than industrial computers.

## 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 PCI Express lanes, four x 1 lanes can be configured to one x 4 lane
- Supports one DDR3L 1600/1333MT/s SDRAM, up to 4GB
- Supports four USB3.0
- Support eMMC storage

## ORDERING GUIDE

Contact us	PCOM-B636VG-N3700.TYPE VI. Atom N3700 Quad Core 1.6GHz.Compact Form Factor.COM Express Module/EC
Contact us	PCOM-B636VG-N3150.TYPE VI. Atom N3150 Quad Core 1.6Hz.Compact Form Factor.COM Express Module/EC/LVDS
Contact us	PCOM-B636VG-N3050.TYPE VI. Atom N3050 DualCore 1.6GHz.Compact Form Factor.COM Express Module/EC/LVDS
Contact us	PCOM-B636VG-N3000.TYPE VI. Atom N3000 DualCore 1.04GHz.Compact Form Factor.COM Express Module/EC/LVDS



### Processor Core

- ◆ Intel® N3000/N3050/N3150/N3700
- ◆ 2M L2 Cache

### Highlights

- ◆ Surround grounding design
- ◆ Integrated Native PCIe x1 and x4
- ◆ VGA/LVDS/DDI support
- ◆ eMMC storage support

### Memory

- ◆ DDR3L-1600Mhz
- ◆ 1 Memory Channel
- ◆ up to 8GB

### Platform Thermal Design Power

CPU	N3700	N3150	N3050	N3000
W <sub>att</sub>	6W	6W	6W	4W