

# PCOM- B218VG

More than 2 billion people use network services in the world but not all the networks and communication servers are located in air conditioned rooms. Remote communication sites located in desert, mountains and other environments of extended temperature and humidity where functional applications are critical.



Intel® Cedarview based Type VI Compact-COM Express module with the PICMG COM.0 R2.1 specification

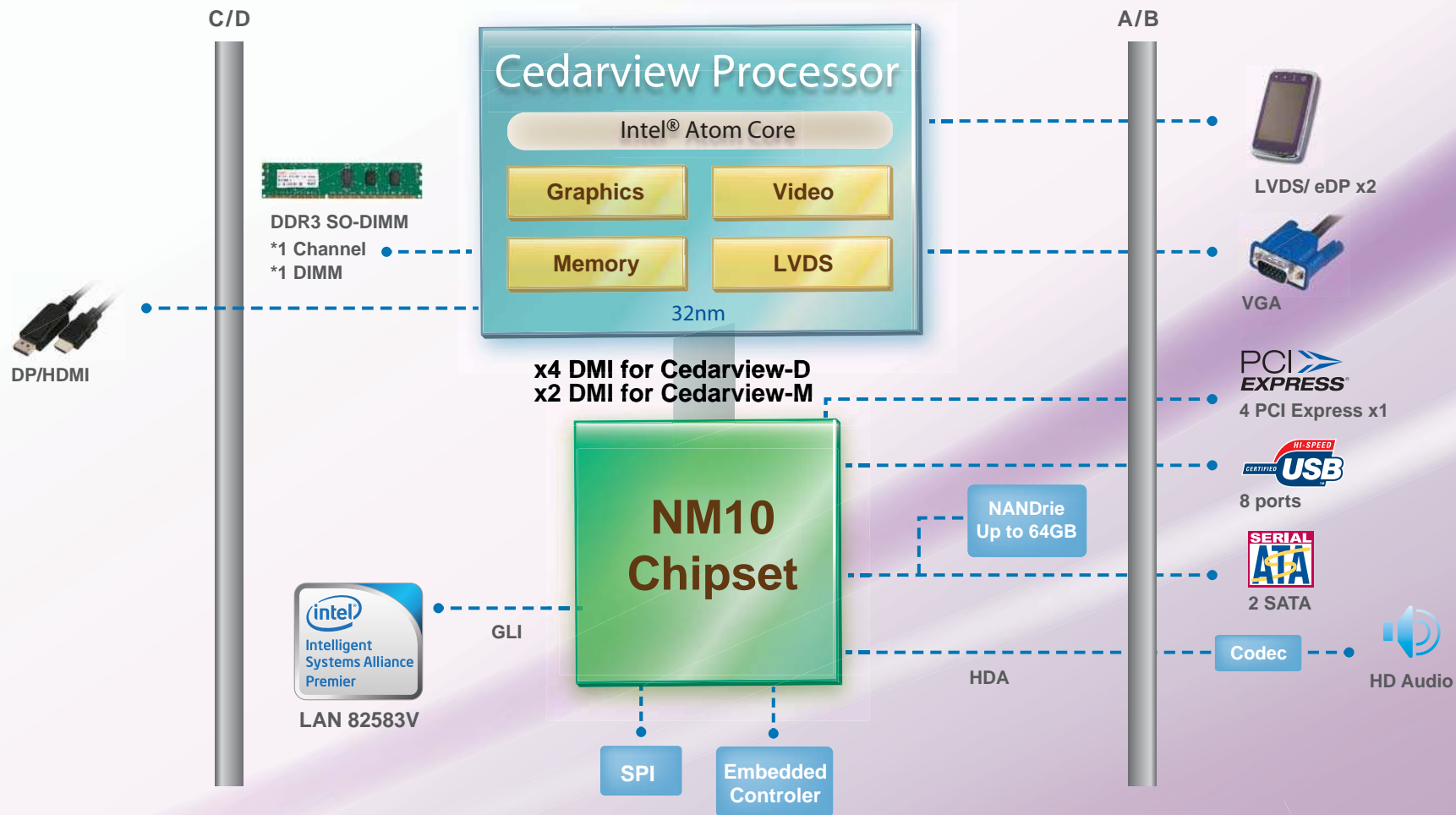
Portwell PCOM-B218VG series are designed with Intel® N2600 / N2800 / D2550+NM10 with less than 13W low power consumption and cost effective dual core solutions. This product features a fan-less system capable of withstanding temperatures of -40 to 80 degree Celsius making it suitable for military and aerospace communication in the environments in which they operate.

## FEATURES

- The Intel® Atom N2600 / N2800 / D2550 embedded processor and NM10 platform that provides cost effective solutions with low power and dual core processor technology
- Supports four PCI Express lanes, four x 1 lanes can be configured to one x 4 lane
- Supports one DDR3 1067MT/s SDRAM, UP to 4GB
- Supports eight USB2.0
- Supports dual independent displays of LVDS and VGA

## ORDERING GUIDE

AB1-3825	(R).PCOM-B218VG-N2600.TYPE VI. Basic Form Factor
AB1-3752	(R).PCOM-B218VG-N2800.TYPE VI. Basic Form Factor
AB1-3844	(R).PCOM-B218VG-D2550.TYPE VI. Basic Form Factor



### Processor Core

- ◆ Cedarview Core (32nm) N2800, N2600, D2550 Uni-core SKUs
- ◆ 1MB, Shared Last Level Cache
- ◆ SMT: 4 threads/core

### Highlights

- ◆ Integrated Memory Controller: 1 Channel of Native DDR3 support
- ◆ Integrated Native PCI-E Gen 1 supports 1x4, 4x1 configurations

### Memory

- ◆ DDR3-1067 MT/s, up to 4GB
- ◆ 1 Memory Channel
- ◆ 6.4GB/s Peak Memory Bandwidth

### Platform Thermal Design Power

	N2800	N2600	N2550
	6.5W	3.5W	10W
	NM10 2.1W	NM10 2.1W	NM10 2.1W
<b>Watt</b>	<b>8.6W</b>	<b>5.6W</b>	<b>12.1W</b>