

# PCOM-B631VG



Good computing with low power consumption is the trend for customers to develop new products with good performance. Furthermore, Grounding design is a need, eg. EMC protection, required for some specific applications required.



Type VI Compact COM Express module based on Intel® 4<sup>th</sup> generation Core ULT processor with DDR3L SDRAM, Triple Displays, SATA, and USB3.0/2.0

PCOM-B631VG can provide good computing by Dual Core processor with lower power consumption comparing with Haswell 2-chip platform. Multi display support, such as LVDS/eDP/DP/VGA, is convenient to meet customer's display output requirement.



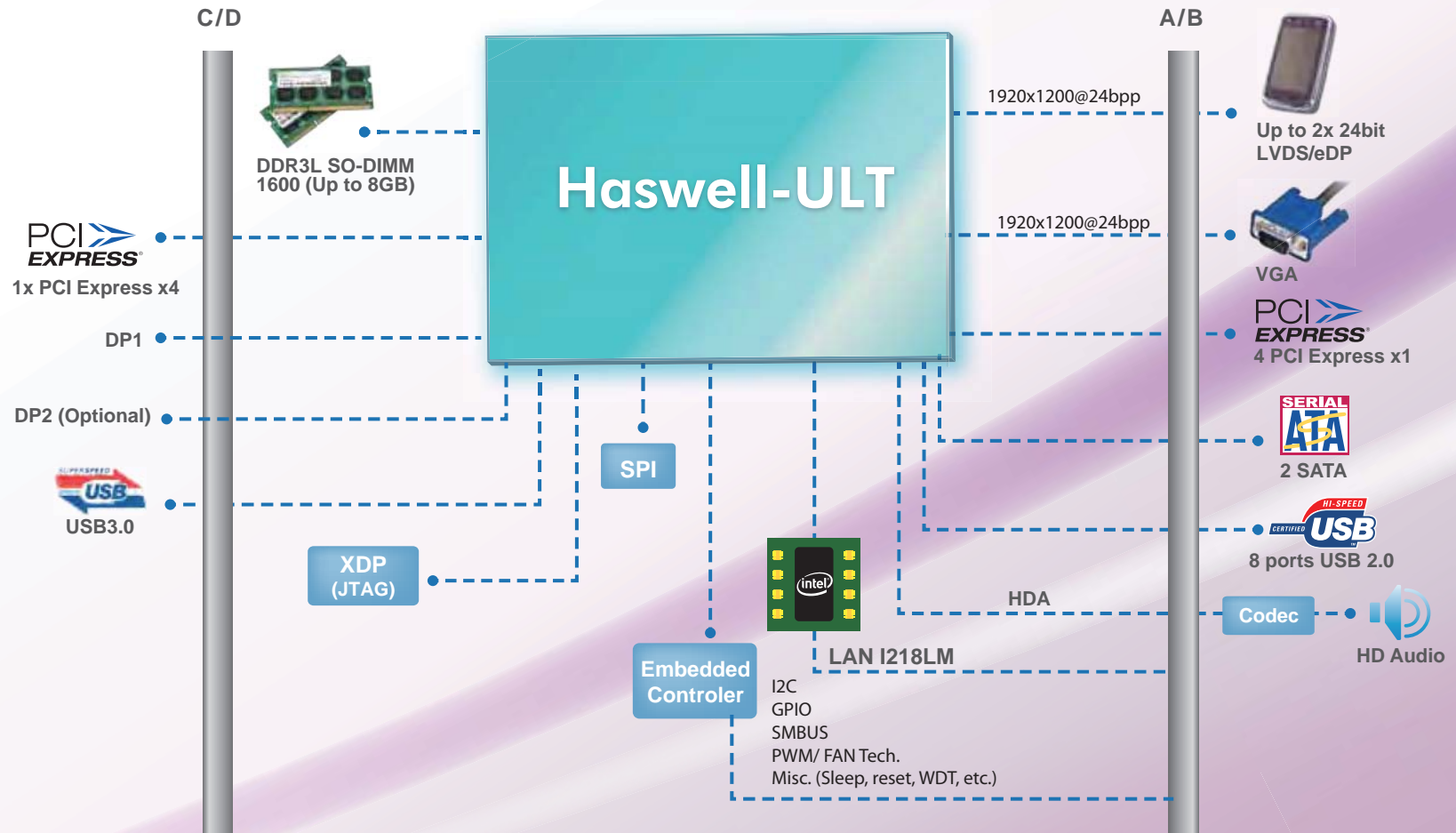
SATA channels, PCI EXpress x4, x2, and x1, offer customer options for data transfer and expansion device support. In addition, grounding design is efficient on EMC protection as the advantage for applications like Military, Automation, and Outdoor systems. Moreover, wide-temp componets, except ULT SoC, are used on PCOM-B631VG for applications with wide-temp range of -40°C to 85°C.

## FEATURES

- Intel® Haswell ULT processor offers good computing with low power consumption
- Supports DDR3L-1333/1600
- Supports multi display function
- Grounding design helps on EMC protection

## ORDERING GUIDE

AB1-3A64	PCOM-B631VG-4650U
AB1-XXXZ	PCOM-B631VG-4300U
AB1-XXXZ	PCOM-B631VG-4010U
AB1-XXXZ	PCOM-B631VG-2980U



### Processor Core

- ◆ Intel® Core™ Haswell (ULT) with DC SKUs
- ◆ 3MB~4MB Shared Last Level Cache
- ◆ SMT: 2 threads/core

### Highlights

- ◆ Intergrated Memory Controller: 2 Channels of Native DDR3L support
- ◆ Intergrated Native PCI Express x1 and x4
- ◆ USB 3.0 x1, USB 2.0 x8
- ◆ Multi Display support

### Memory

- ◆ DDR3L 1333/1600 MT/s
- ◆ Up to 16GB
- ◆ 1 Memory Channel
- ◆ Max 25.6 GB/s peak

### Platform Thermal Design Power

	<b>i7-4650U</b> 2C 1.7GHz 15W	<b>i5-4300U</b> 2C 1.9GHz 15W	<b>i3-4010U</b> 2C 1.7GHz 15W	<b>2980U</b> 2C 1.6GHz 15W
<b>Watt</b>	<b>15W</b>	<b>15W</b>	<b>15W</b>	<b>15W</b>