

# PCOM-B651G



PCOM-B651G brings three important factors including DDR4 memory support, PCIe Gen3 support, and USB 3.1 Gen2 support. DDR4 is trend and it support both ECC and Non-ECC with same pin definition. In other word, customer can use both ECC and Non-ECC memory depending on their application. In order to achieve that, all PCH sku are considered in development stage to make sure customer has various models to meet different requirements in cost, performance, and memory type. The Gen 3 PCIe support provides faster PCIe speed, so that the performance of PCIe expansion card will be better. It's crucial for Networking and Medical related application. The enhanced graphic performance brings 4K support.

## FEATURES

- Coffee Lake-H is the 8th Generation Intel® Core™ Processor with 14nm and brand new architecture provide best performance
- Seek for mobile solution but with high performance and medium TDP
- Support faster I/O interface on 24 PCIe Gen3 lanes

## ORDERING GUIDE

TBD	PCOM-B651G-8100H
TBD	PCOM-B651G-84000H
TBD	PCOM-B651G-8850H

## GENERAL

Form Factor (mm)	Basic Size (125x95mm)
Type	COMe Type 6
CPU/Clock/Cache	Intel® Core™ Coffee Lake-H Core™ i7-8850H/ i5-8400H/ i3-8100H
Chipset	CM246/QM370/HM370
Memory	DDR4-2666MT/s ECC/Non-ECC 2 SO-DIMM
USB	4x USB 3.1 Gen2 8x USB 2.0
PCI Express	1x PCIe16 (PEG) 1x PCIe4 4x PCIe1
Ethernet	Intel® I210-AT

## I/O INTERFACE

Audio	Intel® High Definition Audio
Graphic Controller	Intel® UHD Graphics 630
Carrier Board	PCOM-C605 (Type 6)
Extend Temperature Support	Support 0-60 degree