

# PQ7- M107



PQ7-M107 is suitable for Intelligent security, real time intelligent surveillance, and pre-warning system which are trends for factory applications.



PQ7-M107 based on Qseven 2.0 SPEC designed with Intel® Atom™ N3000 series processor. Up to 4GB, 24bit LVDS, DP, USB 3.0

Portwell PQ7-M107 is designed with Intel® Atom™ N3000 series processor. PQ7-M107 Quad core processor features low power than previous Atom platforms.



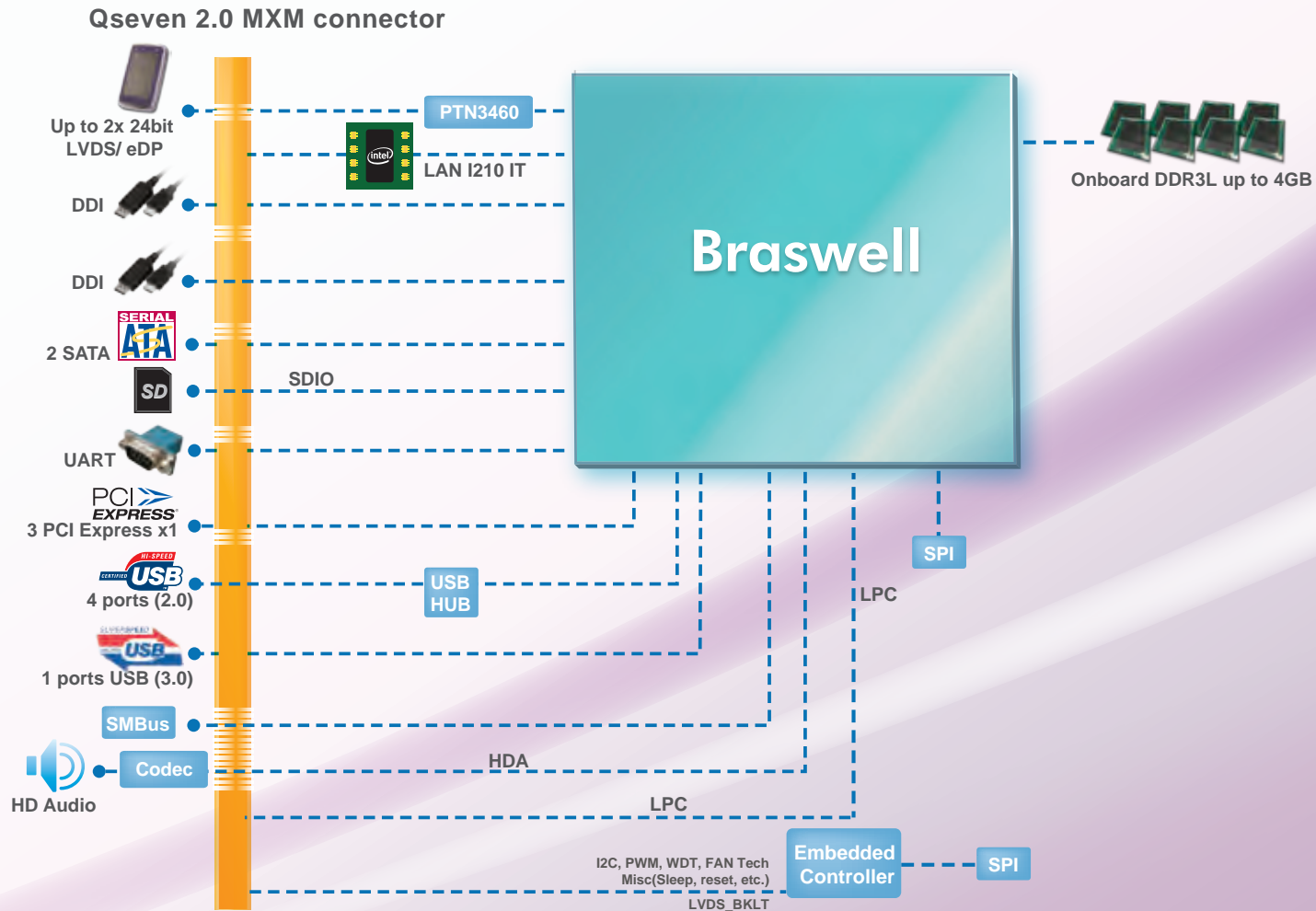
PQ7-M107 could be implemented in manufactory, transportation and automation applications. Better graphics performance, higher memory bandwidth are improved compared to BayTrail. In addition, HD Camera with MIPI CSI 2.0, 4k x 2k resolution and three independent displays are designed on PQ7-M107.

## FEATURES

- Atom™ Braswell SoC N3000 series processor
- On Board DDR3L DRAM up to 4GB
- 3 PCIE x1 (Up to 4x1)
- Support 2 USB 3.0 and 1 USB 2.0

## ORDERING GUIDE

Contact us	PQ7-M107-N3700. Atom N3700 Quad Core 1.6GHz. Mini Form Factor.COM Express Module/EC/LVDS
Contact us	PQ7-M107-N3150. Atom N3150 Quad Core 1.6Hz. Mini Form Factor.COM Express Module/EC/LVDS
Contact us	PQ7-M107-N3050. Atom N3050 DualCore 1.6GHz. Mini Form Factor.COM Express Module/EC/LVDS
Contact us	PQ7-M107-N3000. Atom N3000 DualCore 1.04GHz. Mini Form Factor.COM Express Module/EC/LVDS



#### Processor Core

- ◆ Dual core / Quad core processor
- ◆ Processor up to 2.4GHz
- ◆ 2MB L2 Cache

#### Highlights

- ◆ Integrated Native PCI Express up to 4x1 / 1x4
- ◆ Up to 2 USB 3.0
- ◆ eDP to LVDS support
- ◆ Embedded Controller for H/W monitoring

#### Memory

- ◆ DDR3L 1600MHz
- ◆ Up to 4GB
- ◆ 2 Memory Channel

#### Platform Thermal Design Power

<b>CPU</b>	<b>N3000</b>	<b>N3050</b>	<b>N3150</b>	<b>N3700</b>
<b>Watt</b>	<b>4W</b>	<b>6W</b>	<b>6W</b>	<b>6W</b>