



Portwell's PQ7-C201 is designed with Qseven® 230 pin card edge MXM connector, and it supports Portwell's Qseven® modules for initial evaluation testing on PCIe x4, LVDS, DP, HDMI, VGA, SATA, USB, LAN, AUDIO, SDIO, LPC function, etc.

PQ7-C201 offers rich I/O ports for expansion demand, also simultaneously supports SATA and SD card functions. Furthermore, Portwell can provide carrier board design guides for your own carrier board development reference to shorten developing stage.

## FEATURES

- Qseven® 2.0 carrier board is compatible with Portwell Qseven® modules
- Mini-ITX form factor for embedded applications
- 1x Gigabit Ethernet port
- 2x SATA ports and 1x SD socket
- 1x PCIe x4 expansion slot
- DP, HDMI, VGA and LVDS support

## ORDERING GUIDE

<b>Standard</b>	PQ7-C201 Qseven Module in Mini-ITX Form Factor Carrier Board
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## GENERAL

Qseven module	Portwell Qseven® module PQ7-M10X Series
Dimension	Mini-ITX: 170(L) x 170(W) mm; 6.69"(L) x 6.69" (W)
Storage Devices	2x SATA
SDIO	1x SD socket
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion Interface	<ul style="list-style-type: none"> <li>- 2x COM ports (1x RS-232/422/485 header, with 1x RS-232 port)</li> <li>- 1x PCIe x4 slot</li> <li>- SMBus header</li> <li>- I<sup>2</sup>C header</li> <li>- LPC header</li> <li>- SPI header</li> <li>- TPM header</li> </ul>
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -40 to 70°C Relative Humidity: 5% to 90%, non-condensing
Power	<ul style="list-style-type: none"> <li>- 12VDC input</li> <li>- Supports AT/ATX mode, 20 pin ATX power connector</li> </ul>

## I/O

Ethernet	IEEE802.3 10/100/1000BASE-T Gigabit Ethernet compliant
Audio	Line in, Line out
USB	1x USB 3.0, 2x USB 2.0 (rear I/O) and 3x USB 2.0 (header)
Serial Port	1x serial RX/TX supported from onboard EC (Embedded Controller)

## DISPLAY

Display Interface	<ul style="list-style-type: none"> <li>- 1x Display port</li> <li>- 1x HDMI port</li> <li>- 1x VGA port</li> <li>- LVDS header to support eDP/LVDS</li> </ul>
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**American Portwell**  
 Fremont CA Tel: +1-510-403-3399  
 E-mail: [info@portwell.com](mailto:info@portwell.com)  
<https://www.portwell.com>

