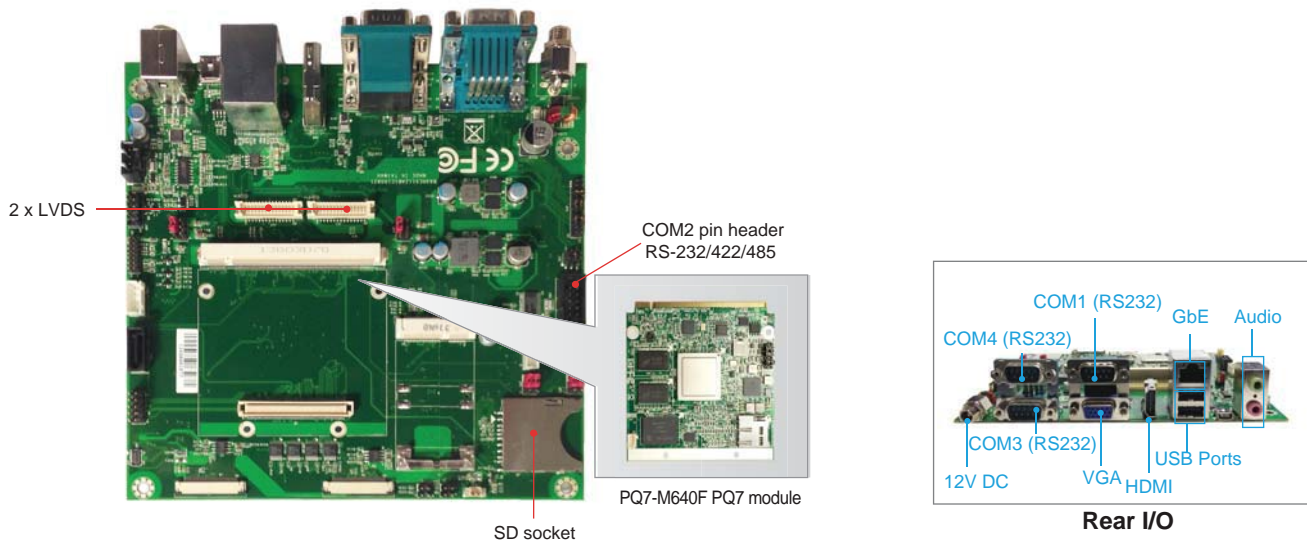




PQ7-C100ARM

Mini-ITX Form Factor Carrier Board For Qseven Module with Dual Displays and One GbE



Portwell's PQ7-C100ARM carrier board is designed with Qseven 230 pins card edge MXM connector, suitable for initial evaluation testing of PQ7-M640F.

It can help save valuable customers' precious development time to market because the following effort has been made by Portwell

FEATURES

- Mini-ITX form factor for embedded applications
- With extra 80-pin on PQ7-C100ARM for expansion purpose: 3x UART, 2x I2C, 1x Keypad, 1x CAN bus, interfaces of 1x RGB parallel LCD, 1x MIPI-DSI, 2x MIPI-CSI for camera, 1x SPDIF, and PWM

ORDERING GUIDE

Standard	AB9-3243Z PQ7-C100ARM, Mini-ITX, Qseven Carrier Board
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GENERAL

Qseven module	Support Portwell Qseven module PQ7-M640F Series
Storage Devices	SATA x1 SD socket x1
Watchdog Timer	Programmable via software from 0.5 sec. to 254.5 min.
Expansion	- One mini-PCIe socket
Dimension	Dimension : 170(L) x 170(W) mm; 6.69"(L) x 6.69" (W)
Environment	Operating Temperature: 0 to 60°C Storage Temperature: -20 to 60°C

I/O

Ethernet	IEEE802.3 10/100/1000BASE-T Gigabit Ethernet compliant
Audio	Mic in, Line out
USB	1 x Micro USB connector for OTG 4 x USB 2.0 (2 ports + 2 pin header)
CAN BUS	2 x CAN BUS pin header
UART	3 x DB9 for COM Ports 1 x Pin header for COM2

DISPLAY

Display Interface	1 x VGA connector 1 x HDMI connector 2 x LVDS connector
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