

PQ7-M104G

Digital mixing consoles have increased dramatically because they are more versatile than analog ones and because they offer many new features, such as the ability to save multiple mute groups, multiple VCA groups and channel settings into a scene and reconfigure signal routing at the touch of a button.



Qseven, based on Intel® Atom™ Processor with DDR2 SDRAM, LVDS Display, Gigabit Ethernet, SDVO and NANDrive



Portwell PQ7-M104G is designed with Intel's US15W ultra low power platform, with a maximum of 10W for overall power consumption that minimizes the thermal solution for your application. The digital mixing console is a suitable application for the Q7 compact design.

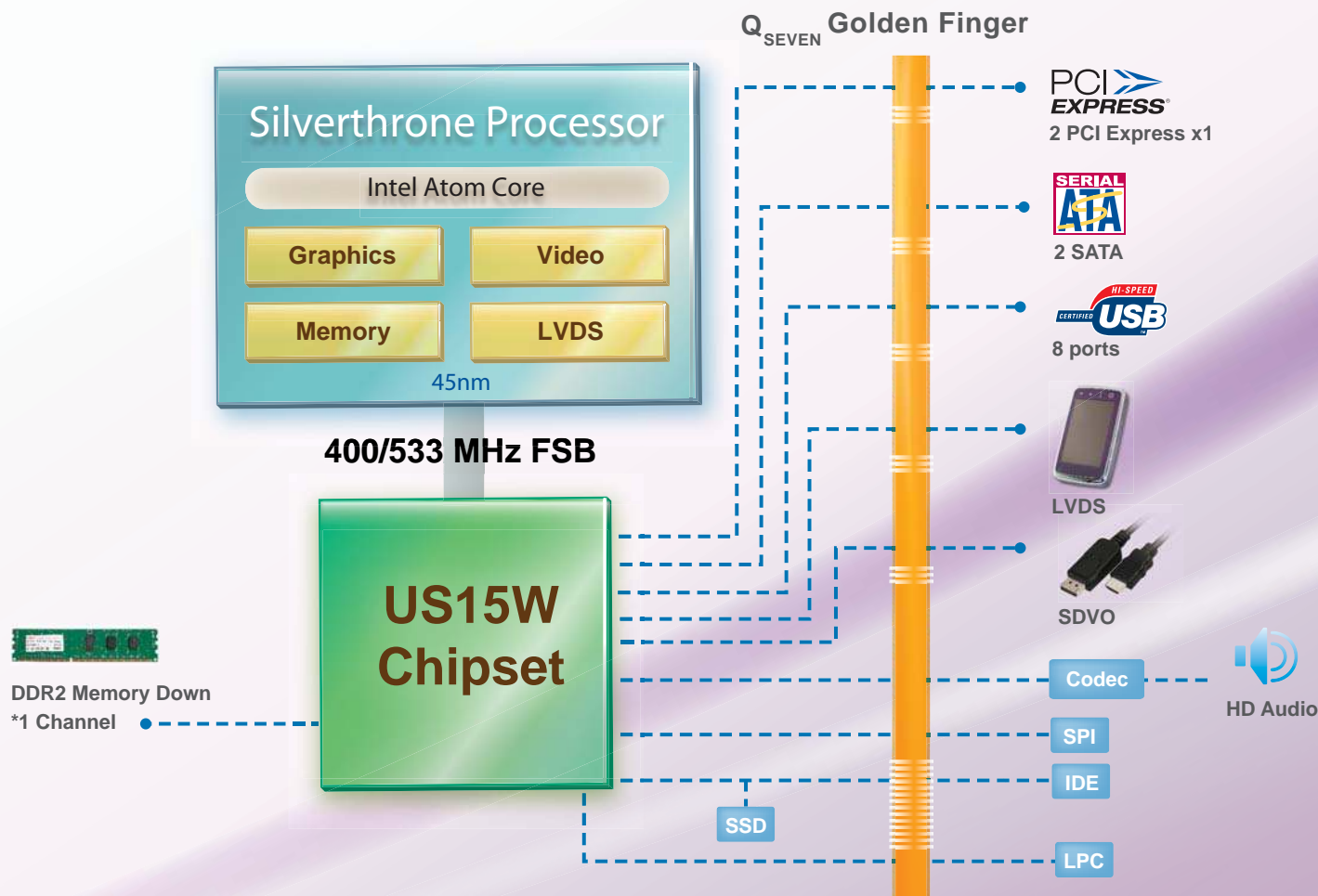
Most digital mixers take advantage of this technology not only to reduce the physical space requirements, but also because it can connect digital system elements for expanded monitoring and control, allowing the system technician to make adjustments to distant devices during the performance.

FEATURES

- Atom™ Z510 (1.1GHz) or Z530 (1.6GHz)
- Intel® US15W integrated GMA 500 Graphic, full hardware acceleration of H.264, MPEG2, VC1 and WMV9 is supported
- Supports two SATA and three PCI Express lanes from Qseven Golden Finger
- Ultra Low CPU and SCH TDP (Under 5W) for fan-less application
- Internal LVDS and SDVO interface for dual independent display
- On board up to 2GB DDR2 supported

ORDERING GUIDE

AB1-3411	PQ7-M104G-1100-1024-4G SSD
AB1-3414	PQ7-M104G-1600-1024-4G SSD
AB1-3412	PQ7-M104G-1100-2048-4G SSD
AB1-3415	PQ7-M104G-1600-2048-4G SSD
AB1-3700	PQ7-M104G-1600-2048-8G SSD
AB1-3707	PQ7-M104G-1100-0512-2G SSD
AB1-3727	PQ7-M104G-1100-1024
AB1-3728	PQ7-M104G-1100-2048
AB1-3729	PQ7-M104G-1600-1024
AB1-3730	PQ7-M104G-1600-2048
B8303340	(GP).Heat Spreader. 70x62x8mm for PQ7-M104G-1024
B8303370	(GP).Heat Spreader. 70x62x8mm for PQ7-M104G-2048



Processor Core

- ◆ Silverthorne Core (45nm) Z510, Z530 Uni-core SKUs
- ◆ 512KB Shared Last Level Cache
- ◆ SMT: 1 threads/core

Highlights

- ◆ Integrated Memory Controller: 1 Channels of Native DDR2 support
- ◆ Integrated Native PCI-E Gen 1 supports 2x1 configurations

Memory

- ◆ DDR2-400/533 MT/s
- ◆ 1 Memory Channel
- ◆ 6.4GB/s Peak Memory Bandwidth

Platform Thermal Design Power

	Z510	Z530
	2W	2W
	US15W 2.3W	US15W 2.3W
Watt	4.3W	4.3W