

QDSP-2090 Series

Digital Signage Player with Intel® Haswell Processor



- Intel® Haswell Processor with H81 / Q87 Express chipset
- 2 x DDR3 SO-DIMM up to 16GB
- 1x DVI-I, 2x DP, 2x GbE and 5.1 channel audio output
- SATA HDD or SSD, 6x USB3.0 or 2x USB3.0 + 4x USB2.0, 1x COM
- 2x mPCIe slot or 2x mPCIe/mSATA slot, 1x SIM card slot
- Optional Wireless Ethernet or 3G Module



Product Overview

The QDSP-2090 Series is an embedded box PC featuring its excellent performance for 4th Generation Intel® Core™ Processors on Intel® H81 / Q87 chipset as well as 2x DDR3 SO-DIMM. Moreover, it comes with a variety of I/O ports and expansion slots for peripheral functions or possible future upgrades, including 1x DVI-I, 2x DP, 2x RJ-45, 6x USB3.0 / 2x USB3.0 + 4x USB2.0, 1x COM, HD Audio, 2x mPCIe slot and 1x SIM card slot.

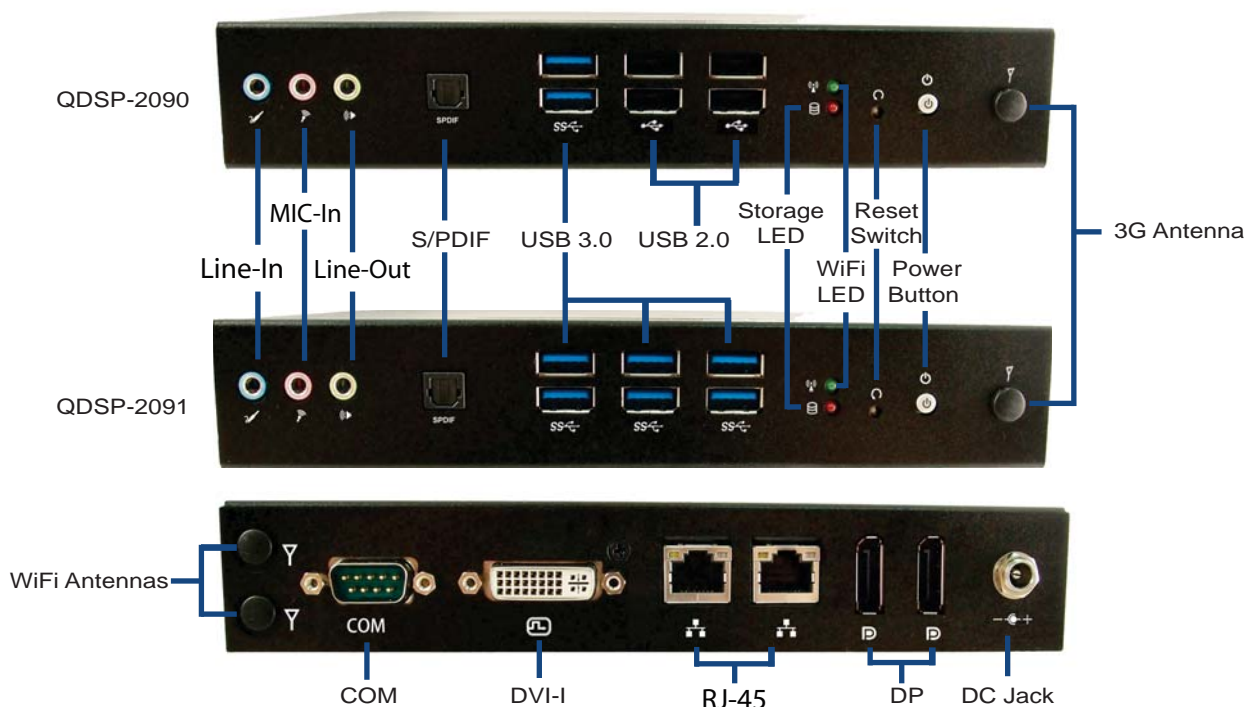
Enclosed in a rugged compact metal housing, the QDSP-2090 Series provides high reliability for harsh environments and space critical applications. It is therefore highly suited to a wide range of industrial applications such as Digital Signage, Gaming, Transportation, Surveillance, and Thin Servers.

Technical Information

Construction	
	Metal Housing
System Board	
	LGA1150 4th Generation Intel® Haswell Core™ Processors
	Intel® H81 Chipset (QDSP-2090 only)
	Intel® Q87 Chipset (QDSP-2091 only)
Memory	
	2x DDR3 SO-DIMM up to 16GB
I/O Panel	
Front I/O	
	3x 3.5mm Phone Jack, support 5.1 channel audio output
	1x S/PDIF Output
	2x USB3.0 (QDSP-2090 only) / 6x USB3.0 (QDSP-2091 only)
	4x USB2.0 (QDSP-2090 only)
	1x Power Button (With Power LED)
	1x Storage status LED (HDD)
	1x Wifi status LED
	1x 3G external antenna
	1x Reset Switch
Rear I/O	
	1x DC JACK
	2x DP
	1x DVI-I
	2x RJ-45 GbE ports
	1x COM Port support RS-232/422/485
	2x Wifi external antennas

BIOS	
	AMI uEFI BIOS
	1x 128Mb SPI flash ROM onboard
Storage	
	2.5" SATA HDD or SSD
	Up to 2x mSATA mixed with mPCIe (QDSP-2091 only)
Expansion	
	2x mPCIe slot (QDSP-2090 only, Optional for 3G/WiFi/BT module)
	2x mPCIe/mSATA slot (QDSP-2091 only, Optional for 3G/WiFi/BT module)
	1x SIM card slot (for 3G appliance) support user accessible
Power Supply	
	Input: 100-240 VAC
	Output: +19V DC
Cooling	
	System Fan with smart fan function
OS Support	
	Windows 7 / Windows 8 / Linux
Temperature / Humidity	
	Operating: 0°C to 40°C, 0%-90%, non-condensing
	Storage: -20°C to 80°C, 0%-90%, non-condensing
Dimension	
	200 x 35 x 153.1 mm / 7.87" x 1.38" x 6.03" (WxHxD)
Weight	
	1 kg
Mounting	
	VESA Mount
Certification	
	CE, FCC Class A

QDSP-2090 Series I/Os



• • **Ordering Information**

Article	Part No.	Description
QDSP-2090	SDSP209000010T00	4th Generation Intel® Core™ i3/i5/i7 Processor with Intel® H81 Express Chipset, 2x GbE, 1x DVI-I, 2x DP, 2x USB 3.0, 4x USB2.0, 2x mPCIe and Line-in/Line-out/MIC-in
QDSP-2091	SDSP209100010T00	4th Generation Intel® Core™ i3/i5/i7 Processor with Intel® Q87 Express Chipset, 2x GbE, 1x DVI-I, 2x DP, 6x USB 3.0, 2x mPCIe and Line-in/Line-out/MIC-in