

# QDSP-2080 Series

Digital Signage Player with Intel® Haswell Processor



- Intel® Haswell Processor with QM87 Express chipset
- 2 x DDR3/L 1333/1600 MT/S SO-DIMM up to 16 GB
- 2x HDMI + 1x DVI-I or 1x HDMI + 2x DP + 1x VGA for video output
- Support 4K x 2K Resolution
- 2x LAN, 6x USB 3.0, 1x RS-232/422/485 for peripherals
- Intel® iAMT 9.0 supported
- Optional Wireless Ethernet or 3G Module



## Product Overview

QDSP-2080 Series is a compact multi-media player Box PC ideal for space critical applications. This embedded hardware platform features 4th Generation Intel® Haswell Core™ i Processors, Intel® QM87 Express chipset, and DDR3/L 1333/1600 MT/S SO-DIMM. It comes with a 2.5" SATA hard drive or SSD, 2x HDMI + 1x DVI-I or 2x DP + 1x HDMI + 1x VGA, 2x RJ-45, 2x mPCIe/mSATA, 6x USB3.0,

COM, and HD Audio.

QDSP-2080 Series provides high reliability for harsh environments, compact size, high performance and is highly suited to a wide range of industrial applications such as Digital Signage, Gaming, Transportation, Surveillance, and Thin Client.

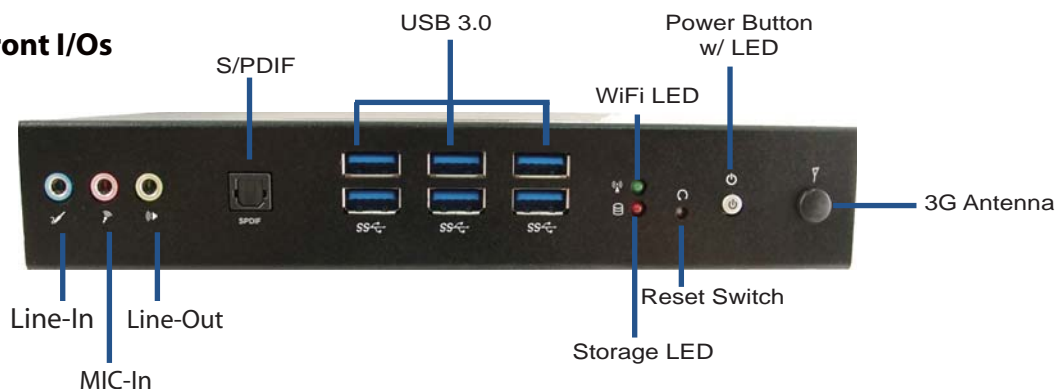
## Technical Information

CPU Support
4th Generation Intel® Haswell Core™ i Processor (Dual / Quad Core, 2M / 3M / 6M / 8M Cache, 2.00 ~ 3.90 GHz, FCPGA946 socket, 37W ~ 57W TDP)
Chipset
Intel® QM87
Memory
2x DDR3/L 1333/1600 SO-DIMM up to 16GB
Graphic Controller
Intel® HD Graphics 4600
Display Interfaces
2x HDMI (on rear, 4096 x 2304 @ 24Hz / 2560 x 1600 @ 60Hz, QDSP-2080) 1x HDMI (on rear, 4096 x 2304 @ 24Hz / 2560 x 1600 @ 60Hz, QDSP-208C) 2x DP (on rear, 3840 x 2160 @ 60Hz, QDSP-208C) 1x DVI-I (on rear, 1920 x 1200 @ 60Hz, QDSP-2080) 1x VGA (on rear, 1920 x 1200 @ 60Hz, QDSP-208C)
Multiple Display
Triple
Audio Chipset
Realtek ALC662-VD
Audio Interfaces
1x Line-in (on front) 1x Line-out (on front) 1x Mic-in (on front) 1x S/PDIF (on front)
Ethernet
2x LAN (RJ-45 on rear, 1x Intel® I217-LM, 1x Realtek RTL8111G)
USB
6x USB3.0 (Type A on front)
Serial Ports
1x RS-232/422/485 (DB9 on rear)
Storage & Expansion
1x 2.5" SATA HDD / SSD 2x mSATA / mPCIe (1x full size, 1x half size) 1x SIM Card Cage (user accessible)

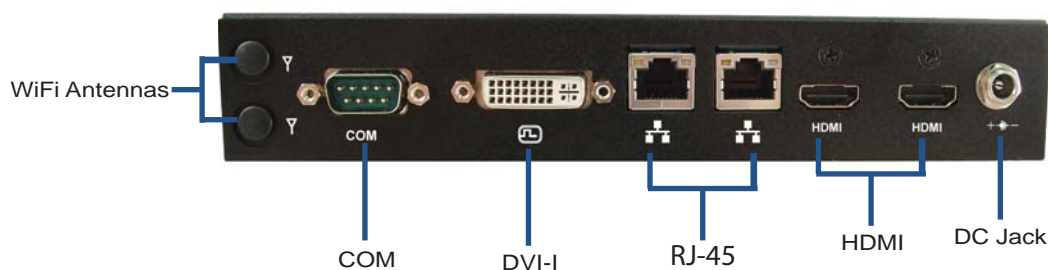
Power Supply
Connector: Lockable DC Jack (on rear) Input Voltage: DC 19V Power Adapter: AC to DC, 100V ~ 240V
Firmware
BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Voltages, Temperatures Real Time Clock: Chipset integrated RTC TPM: Yes (Infineon SLB9635 TPM 1.2) iAMT: depending on processor
System Control & Monitoring
1x Power Button w/ LED (on front) 1x Reset Button (on front) 1x HDD LED (on front) 1x Wireless LED (on front)
Cooling
1x CPU Smart FAN 1x System Smart FAN
OS Support
Windows 7, Windows 8, Linux
Construction
Metal Chassis
Dimensions (W x D x H)
200 x 153.1 x 35 mm / 7.87" x 6.03" x 1.38"
Weight
1000 g / 2.20 lb
Environmental Characteristics
Operation Temp.: 0°C ~ 40°C / 32°F ~ 104°F Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 90%
Mounting
VESA Mount
Certification
CE, FCC Class A

## QDSP-2080 Series I/Os

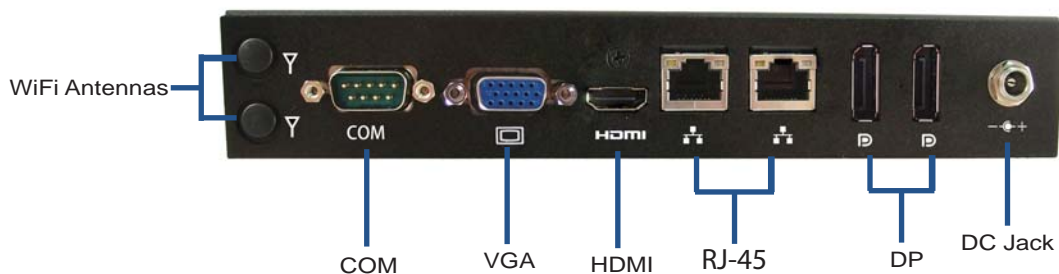
### QDSP-2080/208C Front I/Os



### QDSP-2080 Rear I/Os



### QDSP-208C Rear I/Os



## Ordering Information

Article	Part No.	Description
QDSP-2080	SDSP208000010T00	FCPGA946 4th Gen. Intel® Core™ i, Intel® QM87, 2x HDMI, 1x DVI-I, 2x LAN, 6x USB3.0, 1x RS-232/422/485, 2x mSATA/mPCIe, 1x SIM, w/ TPM
QDSP-208C	SDSP208C00010T00	FCPGA946 4th Gen. Intel® Core™ i, Intel® QM87, 1x HDMI, 2x DP, 1x VGA, 2x LAN, 6x USB3.0, 1x RS-232/422/485, 2x mSATA/mPCIe, 1x SIM, w/ TPM