

QDSP-6000 Series

Standard / Extended Temperature Fanless Box PC
with 4th Generation Intel® Haswell / 5th Generation
Intel® Broadwell ULT Processor



- 4th Gen. Intel® Haswell / 5th Gen. Intel® Broadwell ULT Processor
- 2x DDR3/L SO-DIMM up to 16GB
- 2x HDMI for display
- 4x USB3.0, 2x USB2.0, 2x COM & 3x Audio for peripheral connection
- 2x GbE for wired network connection
- 2x mPCIe, 1x SIM for wireless network expansion
- 1x 2.5" SATA HDD/SSD, 1x eSATA, 1x mSATA for storage
- Support TPM / iAMT
- Fanless design
- Extended temperature model available: -20°C ~ 70°C

Product Overview

The QDSP-6000 Series is a fanless Box PC ideal for space critical applications. This embedded hardware platform features the 4th Gen. Intel® Haswell or the latest 5th Gen. Intel® Broadwell ULT Processor and can offer excellent processing and graphical performance to respond to the requirements for the state-of-the-art applications. It comes with 2x HDMI, 2x GbE, 4x USB3.0, 2x USB2.0, 2x COM, 1x mSATA and 2x mPCIe for peripheral connection and storage / functional expansion.

Enclosed in a highly reliable rugged case with passive cooling design, the QDSP-6000 Series is not only resistant to EMI, cold and heat, but also suitable for quiet fanless applications such as Digital Signage.

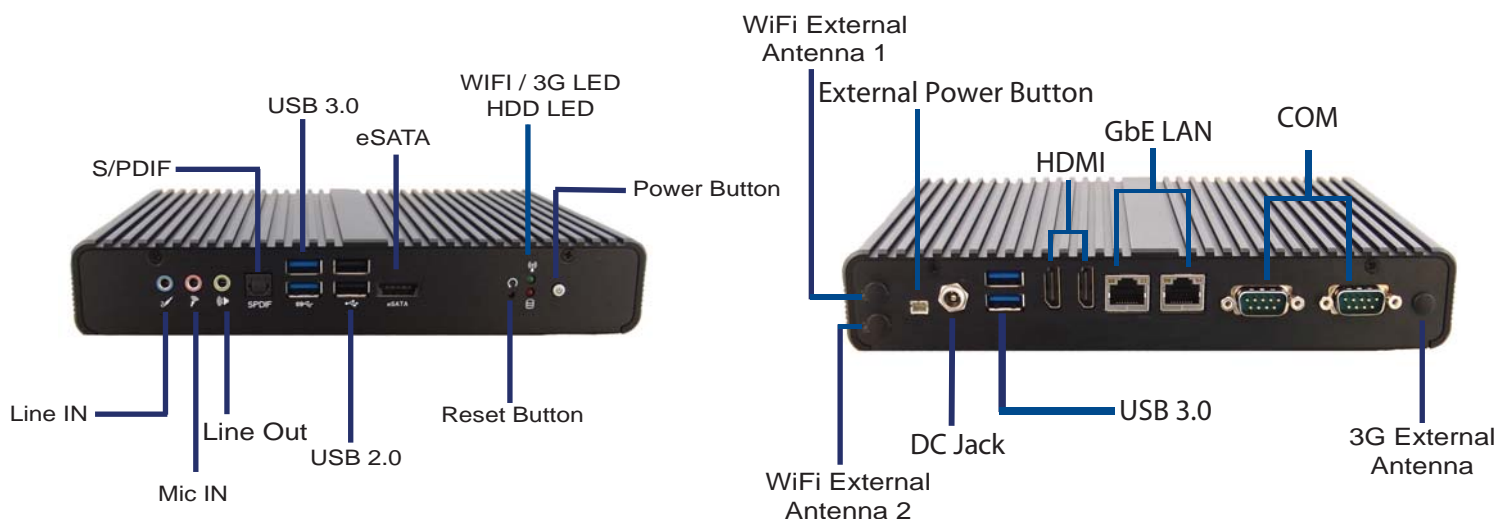
In addition, extended temperature models are provided and allow users to deploy the systems at extreme cold or hot environments.

Technical Information

Construction	
Aluminum Casing	
System Board	
4th Gen. Intel® Haswell / 5th Gen. Intel® Broadwell ULT Processor	
Memory	
2x DDR3/L SO-DIMM up to 16GB	
I/O Panel	
Front I/O	
1x eSATA	
2x USB3.0	
2x USB2.0	
1x Line-Out, 1x Line-In, 1x MIC-In	
1x S/PDIF	
1x Power Button with LED	
1x WiFi/3G LED (Green)	
1x HDD LED (Red)	
1x Reset Button	
Rear I/O	
2x HDMI	
2x USB3.0	
2x RJ-45 GbE, PXE / WOL supported	
2x COM w/ RS-232/422/485	
1x Lockable DC JACK	
1x External Power Button	
2x External Wi-Fi Antenna (optional)	
1x External 3G Antenna (optional)	
Storage	
1x 2.5" SATA HDD / SSD	
1x eSATA w/ power supply	
1x mSATA	

Expansion	
2x mPCIe	
1x SIM card holder	
Power Supply	
Input: 100~240 VAC, 50~60 Hz	
Output: 90W, +19VDC/ 4.74A output (standard temperature)	
60W, +19VDC/ 3.15A output (extended temperature)	
BIOS	
AMI uEFI SPI BIOS	
Hardware Monitor	
Operating voltage, CPU temperature	
TPM / iAMT	
TPM / iAMT supported (QDSP-6001/6004/6007/6008)	
Watchdog Timer	
1~255 step, can be set with software on Super I/O	
OS Support	
Windows 7 / Windows 8 / Linux	
Temperature / Humidity	
Operating Temp.: 0°C ~ 50°C / 32°F ~ 122°F (standard temperature)	
-20°C ~ 70°C / -4°F ~ 158°F (extended temperature)	
Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F	
Humidity: 0% ~ 90%, non-condensing	
Dimension	
220 x 153.3 x 38 mm / 8.66" x 6.04" x 1.50" (WxDxH)	
Weight	
1600 g / 3.53 lb	
Mounting	
VESA Mount	
Certifications	
CE, FCC Class A	

QDSP-6000 Series I/Os



Ordering Information



Article	Part No.	Description
QDSP-6000	SDSP600000010T00	Intel® Haswell ULT Core™ i3-4010U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/o TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6001	SDSP600100010T00	Intel® Haswell ULT Core™ i5-4300U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6004	SDSP600400010T00	Intel® Broadwell ULT Core™ i5-5350U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6006	SDSP600000060T00	Intel® Broadwell ULT Celeron® 3765U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/o TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6007	SDSP600000070T00	Intel® Haswell ULT Core™ i7-4650U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6008	SDSP600000080T00	Intel® Broadwell ULT Core™ i7-5650U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. 0°C ~ 50°C
QDSP-6000T		Intel® Haswell ULT Core™ i3-4010U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/o TPM / iAMT, op. temp. -20°C ~ 70°C
QDSP-6001T		Intel® Haswell ULT Core™ i5-4300U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. -20°C ~ 70°C
QDSP-6004T		Intel® Broadwell ULT Core™ i5-5350U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. -20°C ~ 70°C
QDSP-6006T		Intel® Broadwell ULT Celeron® 3765U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/o TPM / iAMT, op. temp. -20°C ~ 70°C
QDSP-6007T		Intel® Haswell ULT Core™ i7-4650U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. -20°C ~ 70°C
QDSP-6008T		Intel® Broadwell ULT Core™ i7-5650U CPU, 2x DDR3/L SO-DIMM, 2 x GbE, 2x HDMI, 4x USB3.0, 2x USB2.0, 2x mPCIe, w/ TPM / iAMT, op. temp. -20°C ~ 70°C