

# QDSP-3000 Series

Digital Signage Player  
with 6th Generation Intel® Core™ i Processor



- LGA1151 Socket 6th Generation Intel® Core™ i Processor
- Intel® H110 / Q170 Chipset
- 2x DDR4 1866/2133 SO-DIMM up to 32GB
- 1x 2.5" SATA HDD / SSD, up to 2x mSATA (w/ mPCIe) for storage
- Intel® HD Graphics 530
- 2x HDMI2.0, 1x DP for video output
- 1x Line-in, 1x Line-out, 1x Mic-in, 1x S/PDIF for audio input / output
- 6x USB3.0 or 4x USB3.0 + 2x USB2.0, 1x COM for peripheral connection
- 2x LAN, 2x mPCIe or 2x mPCIe/mSATA, 1x SIM for network connection / expansion
- TPM and iAMT support (Q170 only)



## Product Overview

The QDSP-3000 Series is a BOX PC powered by the latest 6th Generation Intel® Skylake Core™ i Processor with Intel® HD Graphics 530 integrated and support for up to 32GB 2x DDR4 SO-DIMM memory. Combined with a variety of video / audio interfaces, including 2x HDMI2.0, 1x DP, 1x Line-in, 1x Line-out, 1x Mic-in and 1x S/PDIF, it is an ideal platform for video and graphics intensive applications, such as digital signage, medical imaging or gaming.

Equipped with 1x 2.5" SATA HDD / SSD, 6x USB, 1x COM, 2x LAN, 2x mPCIe or 2x mPCIe/mSATA, 1x SIM card holder, it provides multiple interface options for data storage / backup, peripheral and network connection / expansion to match the varieties of possible applications. In addition, the compact volume allows easy integration into space-constrained applications.

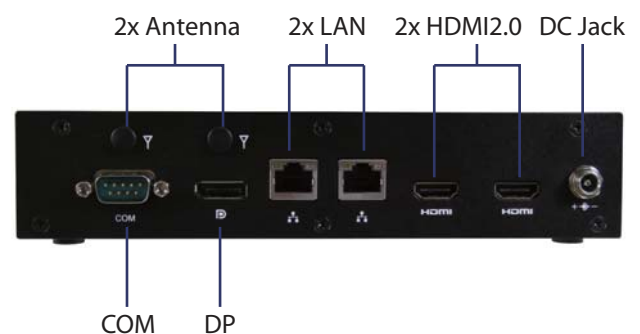
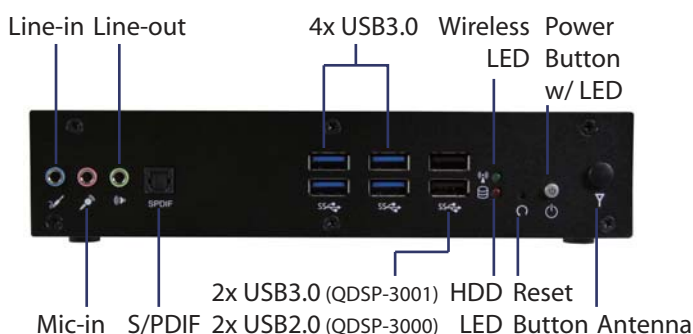
## Technical Information

CPU Support
6th Generation Intel® Skylake Core™ i Processor (Dual / Quad Core, 3M / 4M / 6M / 8M Cache, 2.20 ~ 4.20 GHz, FCLGA1151 socket, 35W ~91W TDP)
Chipset
<b>QDSP-3000:</b> Intel® H110 <b>QDSP-3001:</b> Intel® Q170
Memory
2x DDR4 1866/2133 SO-DIMM up to 32GB
Graphic Controller
Intel® HD Graphics 530
Display Interfaces
2x HDMI2.0 (on rear, 3840 x 2160 @ 60Hz) 1x DP (on rear, 4096 x 2304 @ 60Hz)
Multiple Display
Triple Display
Audio Chipset
Realtek ALC662
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, Intel® I219-LM, Intel® I210-AT)
USB
4x USB3.0 (Type A on front, QDSP-3000) 6x USB3.0 (Type A on front, QDSP-3001) 2x USB2.0 (Type A on front, QDSP-3000)
Serial Ports
1x RS-232/422/485 (DB9 on rear)
Storage & Expansion
1x 2.5" SATA HDD / SSD 2x mSATA/mPCIe (QDSP-3001) 2x mPCIe (QDSP-3000) 1x SIM Card Cage

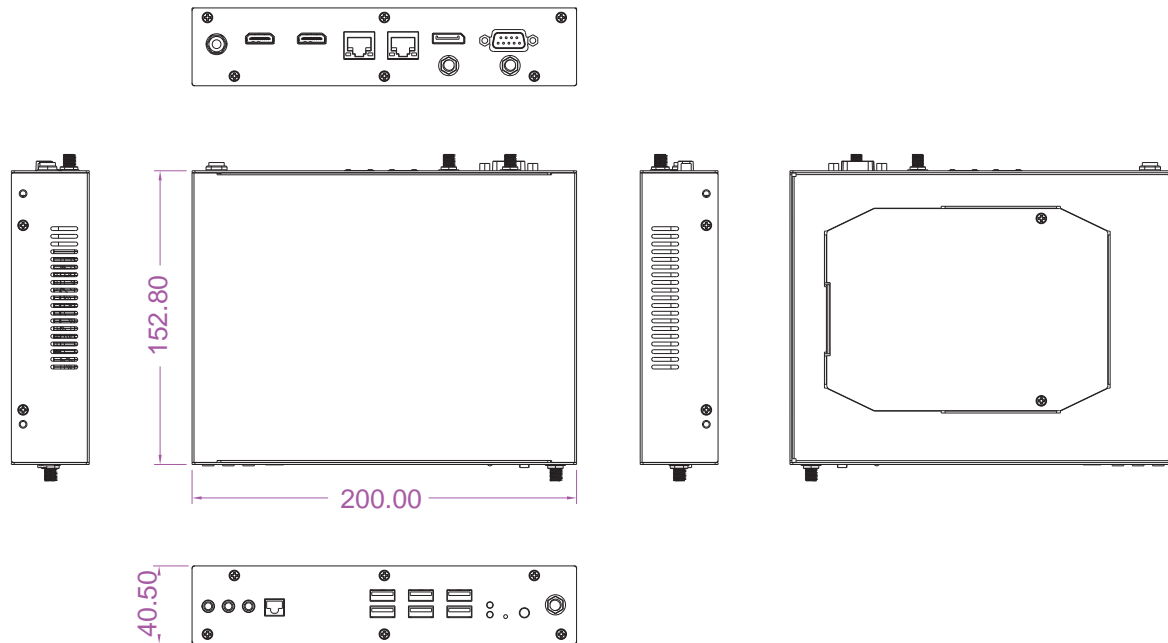
Power Supply
Connector: Lockable DC Jack (on rear) Input Voltage: DC 19V Power Adapter: AC to DC, 100V ~ 240V
Firmware
BIOS: AMI uEFI BIOS w/ 128Mb SPI Flash Watchdog: Programmable WDT to generate system reset event H/W Monitor: Input & Core Voltages, CPU & System Temperatures Real Time Clock: Chipset integrated RTC TPM: TPM support for QDSP-3001 (Intersil SLB9635) iAMT: iAMT support for QDSP-3001
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 Smart Fan (for CPU)
OS Support
Windows, Linux
Construction
Metal Chassis
Dimensions (W x D x H)
200 x 152.8 x 40.5 mm / 7.87" x 6.02" x 1.59"
Weight
1000 g / 2.20 lb
Environmental Characteristics
Operation Temp.: 0°C ~ 50°C / 32°F ~ 122°F Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 90%
Mounting
VESA Mount
Certification
CE, FCC Class A

\* HDMI2.0 function is not applicable to the following monitors: LG 27MU67-B, LG 27UD68, AOC U2879VF, LG 65UF850T, QD980, Dell S2817Q & ASUS MX27UQ.

## QDSP-3000 Series I/Os



## Mechanical Dimensions



## Ordering Information

Article	Part No.	Description
QDSP-3000	SDSP300000010T00	LGA1151 6th Gen. Intel® Core™ CPU, Intel® H110, 2x DDR4 SO-DIMM, 2x HDMI2.0, 1x DP, 2x LAN, 4x USB3.0, 2x USB2.0, 1x COM, 2x mPCIe, w/o TPM, w/o iAMT
QDSP-3001	SDSP300100010T00	LGA1151 6th Gen. Intel® Core™ i CPU, Intel® Q170, 2x DDR4 SO-DIMM, 2x HDMI2.0, 1x DP, 2x LAN, 6x USB3.0, 1x COM, 2x mPCIe/mSATA, w/ TPM, w/ iAMT