

# QDSP-5001 Series

Fanless Box PC w/ Intel® Celeron Dual Core / Core i Processor



- Intel® Celeron Dual Core / Core i Processor
- Intel® HM76 Express Chipset
- 2x DDR3 1333/1600 MHz memory support up to 16 GB
- 1x HDMI, 2x DP, 1x S/PDIF Output and Clear CMOS
- 2x USB2.0, 4x USB3.0, 2x COM, 2x GbE LAN and Audio
- 1x mSATA, 2x Mini-PCIe slots
- Triple-independent display /Dual storage
- Fanless design



## Product Overview

The QDSP-5001 Series is a fanless Box PC ideal for space critical applications. This embedded hardware platform features Intel® Celeron Dual Core / Core i Processor, Intel® HM76 Express chipset, and DDR3 1333/1600 SO-DIMM. It comes with 2.5" SSD, mSATA, 2x Mini-PCle slots, HDMI, 2x DP, 2x USB2.0, 4x USB3.0, 2x COM, 2x GbE LAN, and Audio.

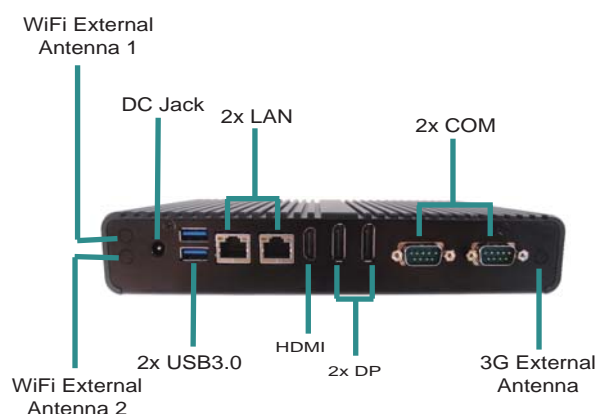
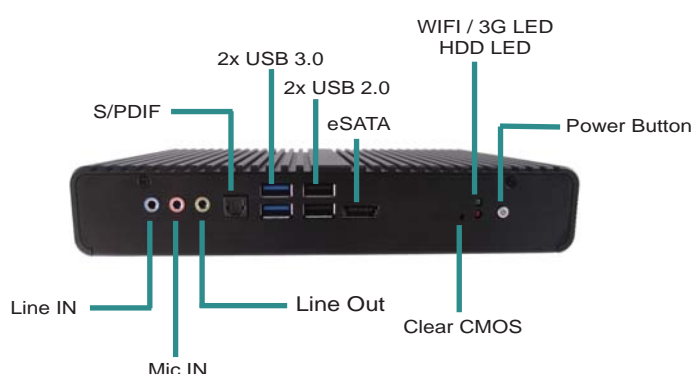
The QDSP-5001 Series provides triple-independent display and dual storage, high reliability rugged case not only for great protection from EMI, cold and heat, but also integrated with passive cooling design for quiet fanless operation such as Digital Signage.

## Technical Information

CPU Support	
Intel® Celeron Dual Core / Core i Processor,	
Chipset	
Intel® HM76 Express Chipset	
Memory	
2x Single Channel DDR3 1333/1600MHz SODIMM support (16 GB max)	
BIOS	
AMI Plug & Play SPI BIOS	
I/Os	
Front I/O	Realtek ALC662 HD Codec w/ 2W Audio Amplifier, Mic-In, Line-In, Line-Out 1x S/PDIF Output 1x eSATA and USB 2.0 combo supported 2x USB 2.0 2x USB 3.0 1x Power Button with Power LED 1x Storage HDD status LED ( RED ) 1x Wifi /3G status LED ( Green ) 1x Clear CMOS
Rear I/O	1x DC JACK 1x HDMI 2x DP 2x RJ-45 GbE ports (Realtek RTL8111E/ Intel 82579 )PXE / WOL supported 2x USB 3.0 2x COM Ports support RS-232/422/485 2x WiFi External Antennas ( optional ) 1x 3G External Antenna ( optional )

Storage	
1x 2.5" SSD 1x eSATA and USB 2.0 combo connector 1x mSATA	
Expansion slot	
2x Mini-PCle slots (SIM Card socket supported)	
Hardware Monitor	
Operating voltage, CPU temperature	
Watchdog Timer	
1-255 step, can be set with software on Super I/O	
Power	
DC 19V Input	
OS Support	
Windows 7/ Windows 8 / Linux	
Dimensions	
220 x 153.3 x 38 mm (W x D x H)	
Temperature / Humidity	
Operating: 0°C to 50°C, 0%-90%, non-condensing Storage: -20°C to 80°C, 0%-90%, non-condensing	
Certifications	
CE, FCC Class A	

## QDSP-5001 Series I/Os





## Ordering Information

Article	Description
QDSP-5001	Fanless Box PC, <b>Intel® 3rd generation Core i5 Processor 3337U</b> +HM76, 2x DDR3 SODIMM, 2 x GbE LANs, 2x DP, 1x HDMI, 4x USB3.0, 2x USB2.0, 1x eSATA, 2x COM, 1x 2.5" SSD /HDD and S/PDIF
QDSP-5002	Fanless Box PC, <b>Intel® 3rd generation Core i3 Processor 3227U</b> +HM76, 2x DDR3 SODIMM, 2 x GbE LANs, 2x DP, 1x HDMI, 4x USB3.0, 2x USB2.0, 1x eSATA, 2x COM, 1x 2.5" SSD /HDD and S/PDIF
QDSP-5004	Fanless Box PC, <b>Intel® Celeron® Processor 1037U</b> +HM76, 2x DDR3 SODIMM, 2 x GbE LANs, 2x DP, 1x HDMI, 4x USB3.0, 2x USB2.0, 1x eSATA, 2x COM, 1x 2.5" SSD /HDD and S/PDIF
QDSP-5005	Fanless Box PC, <b>Intel® Celeron® Processor 1047UE</b> +HM76, 2x DDR3 SODIMM, 2 x GbE LANs, 2x DP, 1x HDMI, 4x USB3.0, 2x USB2.0, 1x eSATA, 2x COM, 1x 2.5" SSD /HDD and S/PDIF