

QDSP-200 Series

0.6-Liter Mini Box PC
with Intel® Bay Trail SoC Processors



- Intel® Bay Trail SoC Processors
- 1x DDR3L SO-DIMM
- 1x HDMI, 1x VGA for video output
- 1x GbE LAN for Ethernet
- 1x USB3.0, 2x USB2.0, 1x RS-232/422/485 for peripheral connection
- 1x 2.5" SATA HDD / SSD, 1x Micro SD (E3825 model only) for storage
- 1x mPCIe for expansion
- 0.6-liter palm-sized compact volume



Product Overview

The QDSP-200 Series is a Box PC with a volume of just 0.6-liter that is ideal for space critical applications. This embedded system is designed with Intel® Bay Trail SoC processors which provide a balanced platform satisfying both performance and energy efficiency.

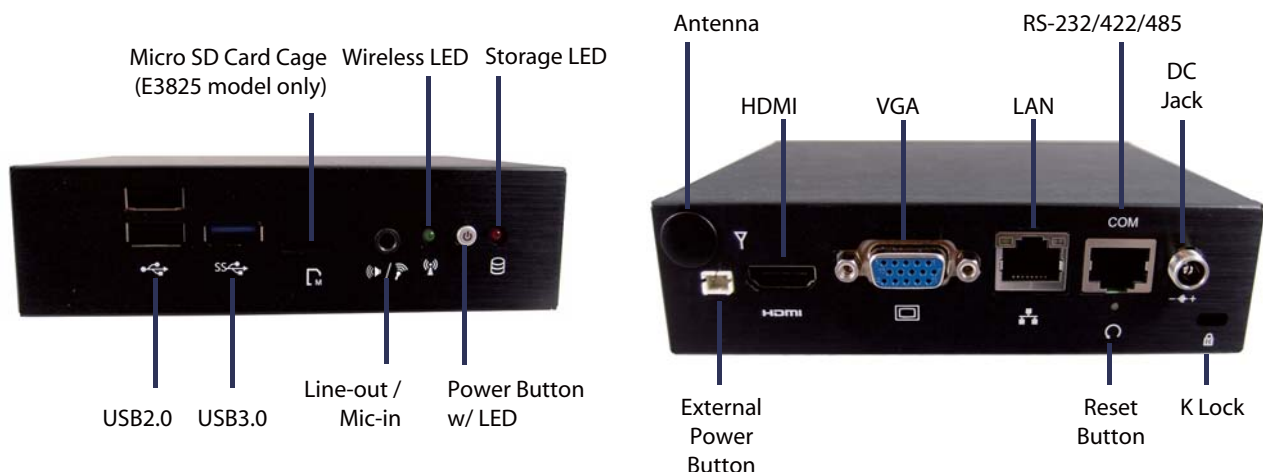
With 1x HDMI, 1x VGA, 1x GbE LAN, 1x USB3.0, 2x USB2.0 and 1x RS-232/422/485, it provides connection to possible peripheral applications.

Technical Information

CPU Support
Intel® Atom™ E3825 (Dual Core, 1M Cache, 1.33 GHz, FCBGA1170 socket, 6W TDP)
Intel® Celeron® J1900 (Quad Core, 2M Cache, up to 2.42 GHz, FCBGA1170 socket, 10W TDP)
Memory
1x DDR3L 1067 SO-DIMM up to 8GB (E3825 model)
1x DDR3L 1333 SO-DIMM up to 8GB (J1900 model)
Graphic Controller
Intel® HD Graphics
Display Interfaces
1x HDMI (on rear, 1920 x 1080 @ 60Hz)
1x VGA (on rear, 2560 x 1600 @ 60Hz)
Multiple Display
Dual
Audio Chipset
Realtek ALC662
Audio Interfaces
1x Line-out / Mic-in (on front)
Ethernet
1x GbE LAN (RJ-45 on rear, Realtek RTL8111G)
USB
1x USB3.0 (Type A on front)
2x USB2.0 (Type A on front)
Serial Ports
1x RS-232/422/485 (RJ-45 on rear)
Storage & Expansion
1x 2.5" SATA HDD / SSD
1x Micro SD Card Cage (on front, E3825 model only)
1x mPCIe (full size)
1x SIM Card Cage (optional)

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/ 64Mb SPI Flash
Watchdog: Programmable WDT to generate system reset event
H/W Monitor: Voltages, Temperatures
Real Time Clock: SoC integrated RTC
TPM: optional (Infineon SLB9635 TPM 1.2)
System Control & Monitoring
1x Power Button w/ LED (on front)
1x Reset Button (on rear)
1x Storage LED (on front)
1x Wireless LED (on front)
1x External Power Button (on rear)
Cooling
1x System Smart Fan
OS Support
Windows 7, Windows 8, Windows 10, Linux
Construction
Aluminum Chassis
Dimensions (W x D x H)
130 x 111 x 35 mm / 5.12" x 4.37" x 1.38"
Weight
400 g / 0.97 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

Front & Rear I/O Panels



• Ordering Information

Article	Description
QDSP-200	Intel® Atom™ E3825, 1x DDR3L SO-DIMM, 1x 2.5" SATA HDD/SSD, 1x HDMI, 1x VGA, 1x USB3.0, 2x USB2.0, 1x RS-232/422/485, 1x GbE, 1x Micro SD card cage, 1x mPCIe
QDSP-210	Intel® Celeron® J1900, 1x DDR3L SO-DIMM, 1x 2.5" SATA HDD/SSD, 1x HDMI, 1x VGA, 1x USB3.0, 2x USB2.0, 1x RS-232/422/485, 1x GbE, 1x mPCIe

• Optional Accessories

Product Name	Description
VESA Mounting Kit	Hole pattern: 75 mm x 75 mm & 100 mm x 100 mm