



QDSP-400 Series

Preliminary

0.6-Liter Mini Box PC

with 6th / 7th Gen. Intel® Skylake / Kaby Lake ULT Processors



- 6th / 7th Gen. Intel® Skylake / Kaby Lake ULT Processors (15W TDP)
- 2x DDR4 2133 SO-DIMM up to 32GB
- 1x 2.5" SATA HDD / SSD for storage
- Intel® HD Graphics 620 / 520 / 510 integrated
- 1x HDMI, 1x DP for video output
- 1x LAN, 1x mPCIe for network and expansion
- 4x USB3.0, 1x RS-232/422/485 for peripheral connection
- An IR receiver on front for infrared remote control
- 0.6-liter palm-sized compact volume



Product Overview

QDSP-400 Series is a Box PC enclosed within a palm-sized aluminium chassis. It can easily fit into any space environment. Powered by 6th / 7th Generation Intel® Skylake / Kaby Lake ULT processors, it delivers excellent processing and graphics performance to applications requiring intense data throughput, especially for video / image data.

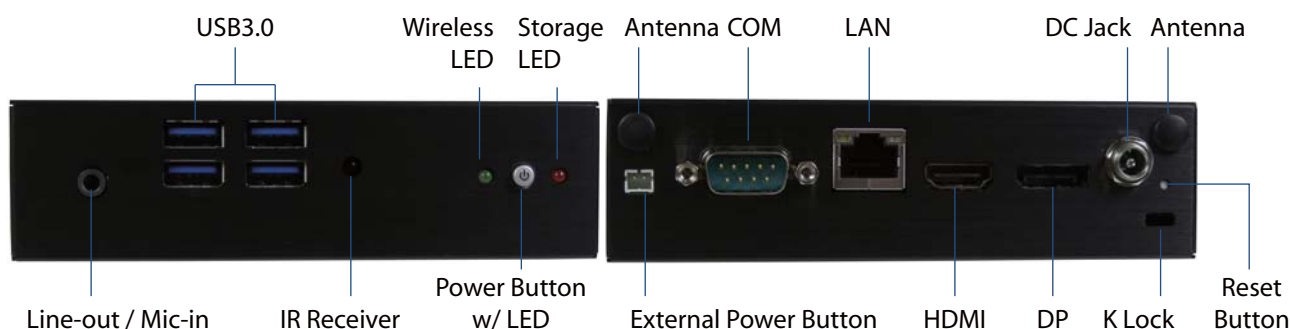
Having one LAN port on rear, one mPCIe socket, one HDMI port, one DP port, four USB3.0 ports and one COM port, QDSP-400 Series provides flexible network connection and peripheral integration.

In addition, it has an IR receiver on front panel and allows users to remotely control the box PC itself or the content that is displayed on connected screens.

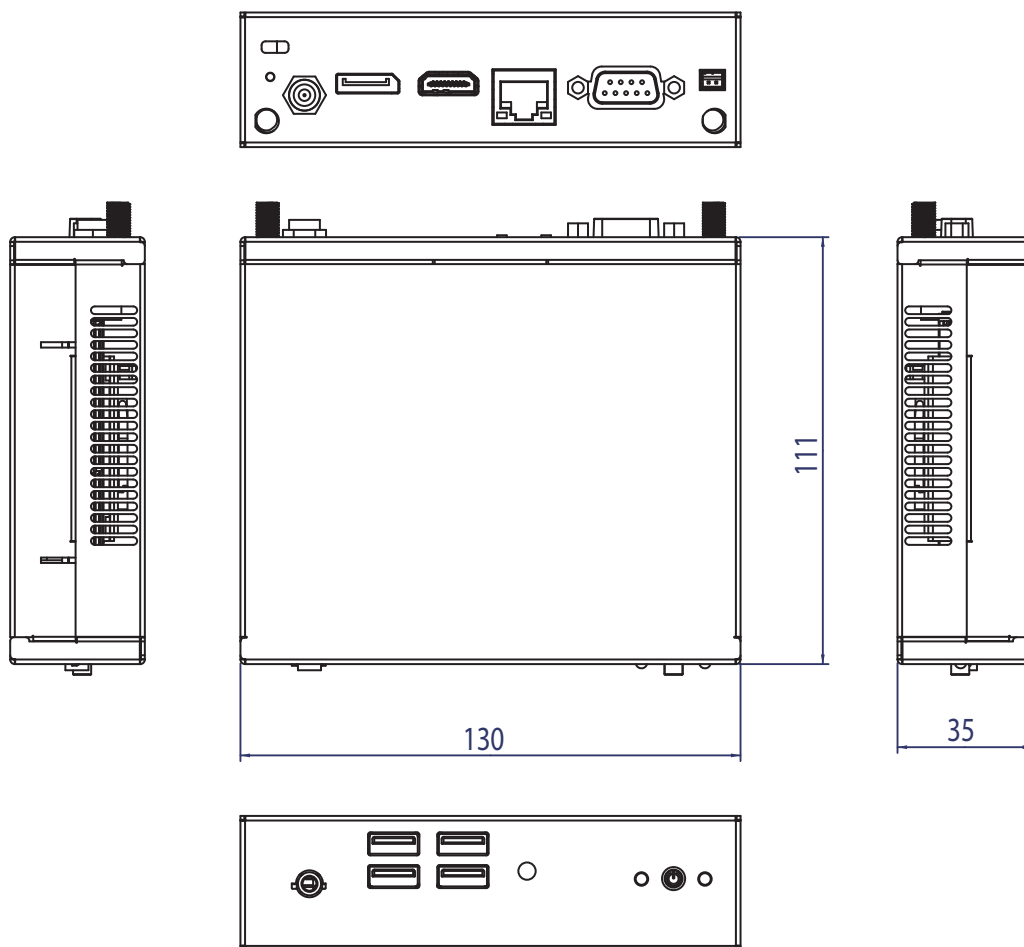
Technical Information

CPU Support	QDSP-400: Intel® Skylake ULT Processor, Core™ i5-6200U (Dual Core, 3M Cache, up to 2.80 GHz, FCBGA1356, 15W TDP) QDSP-401: Intel® Skylake ULT Processor, Core™ i5-6300U (Dual Core, 3M Cache, up to 3.00 GHz, FCBGA1356, 15W TDP) QDSP-402: Intel® Skylake ULT Processor, Celeron® 3955U (Dual Core, 2M Cache, 2.00 GHz, FCBGA1356, 15W TDP) QDSP-410: Intel® Kaby Lake ULT Processor, Core™ i5-7200U (Dual Core, 3M Cache, up to 3.10 GHz, FCBGA1356, 15W TDP)
Memory	2x DDR4 2133 SO-DIMM up to 32GB
Graphic Controller	Intel® HD Graphics 520 (QDSP-400/401) Intel® HD Graphics 620 (QDSP-410) Intel® HD Graphics 510 (QDSP-402)
Display Interfaces	1x HDMI (on rear, 4096 x 2304 @ 24Hz) 1x DP (on rear, 4096 x 2304 @ 60Hz)
Multiple Display	Dual
Audio Chipset	Realtek ALC662
Audio Interfaces	1x Line-out / Mic-in (on front)
Ethernet	1x LAN (RJ-45 on rear, Intel® I219)
USB	4x USB3.0 (Type A on front)
Serial Ports	1x RS-232/422/485 (DB9 on rear)
Storage & Expansion	1x 2.5" SATA HDD / SSD 1x mPCIe 1x SIM Cage (by header)
Power Supply	Connector: Lockable DC Jack (on rear) Input Voltage: DC 12V ~ 19V (default), 24V or other options (by request) 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: Processor integrated RTC TPM: optional iAMT: only for QDSP-401
System Control & Monitoring	1x Power Button w/ LED (on front) 1x External Power Button (on rear) 1x Reset Button (on rear) 1x IR Receiver (on front) 1x Storage LED (on front) 1x Wireless LED (on front)
Cooling	1x CPU Smart Fan
OS	Windows 7, Windows 8, Windows 10, Linux
Construction	Aluminium 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

QDSP-400 Series I/Os



Mechanical Dimensions



Ordering Information

Article	Part No.	Description
QDSP-400	SDSP040000010T00	Intel® Core™ i5-6200U, 2x DDR4 SO-DIMM, Intel® HD Graphics 520, 1x HDMI, 1x DP, 1x LAN, 4x USB3.0, 1x RS-232/422/485, 1x 2.5" SATA HDD / SSD, 1x mPCIe, w/o iAMT
QDSP-401	SDSP040100010T00	Intel® Core™ i5-6300U, 2x DDR4 SO-DIMM, Intel® HD Graphics 520, 1x HDMI, 1x DP, 1x LAN, 4x USB3.0, 1x RS-232/422/485, 1x 2.5" SATA HDD / SSD, 1x mPCIe, w/ iAMT
QDSP-402	SDSP040200010T00	Intel® Celeron® 3955U, 2x DDR4 SO-DIMM, Intel® HD Graphics 510, 1x HDMI, 1x DP, 1x LAN, 4x USB3.0, 1x RS-232/422/485, 1x 2.5" SATA HDD / SSD, 1x mPCIe, w/o iAMT
QDSP-410	SDSP041000010T00	Intel® Core™ i5-7200U, 2x DDR4 SO-DIMM, Intel® HD Graphics 620, 1x HDMI, 1x DP, 1x LAN, 4x USB3.0, 1x RS-232/422/485, 1x 2.5" SATA HDD / SSD, 1x mPCIe, w/o iAMT