

QBOX-2080 Series

Standard / Extended Temperature Fanless BOX PC
with Intel® Braswell SoC Processor, Celeron® N3160



- Intel® Braswell Quad Core SoC Processor, Celeron® N3160
- Intel® HD Graphics 400
- 1x DDR3L SO-DIMM up to 8GB
- 4K2K video output supported
- 1x HDMI, 1x DP
- 4x USB3.0, 4x COM, 1x 8-bit DIO, 2x GbE, 3x Audio Jack
- 2x mPCIe, 1x SIM (optional)
- 1x 2.5" SATA HDD/SSD
- Fanless design
- Extended temperature model available: -20°C ~ 70°C



Product Overview

The QBOX-2080 Series is a fanless BOX PC boasting high computing and graphics performance, based on Intel®'s new Braswell Quad Core SoC Processor, Celeron® N3160, as well as Intel® HD Graphics 400 integrated. In addition, it supports 1x DP, 1x HDMI, 4x USB 3.0, 4x COM, 1x 8-bit DIO, 3x Audio Jack, 2x mPCIe socket for possible peripheral applications and expansions.

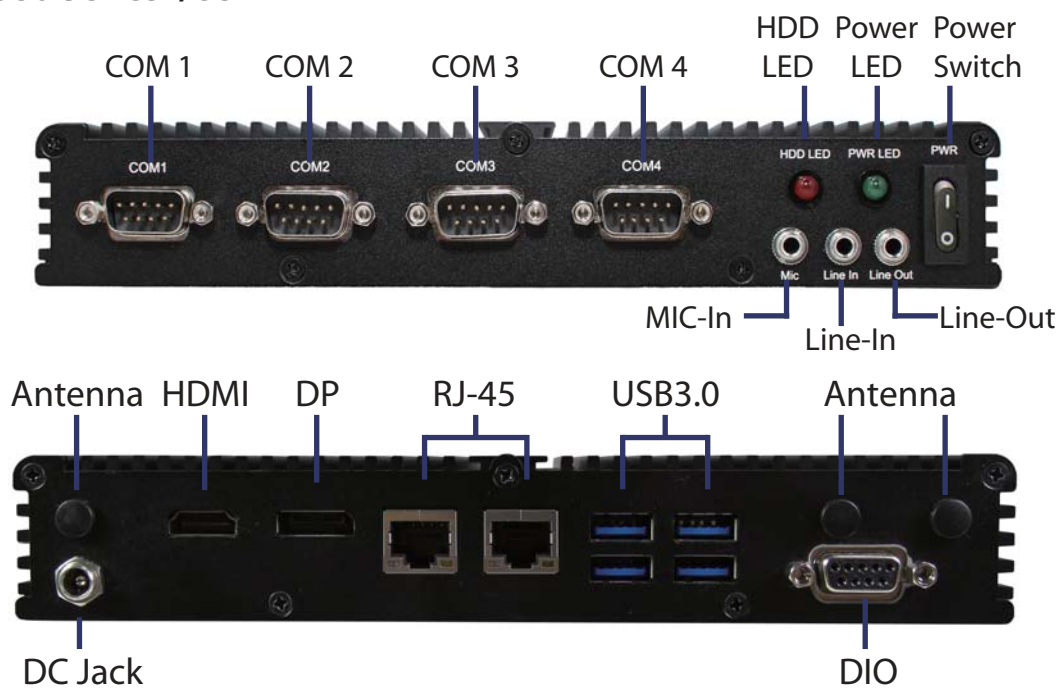
Enclosed in a high reliable rugged case integrated with passive cooling design, the QBOX-2080 Series not only has great resistance to EMI, cold, heat or other harsh conditions, but also offers noise-free operation for a pleasant environment. In addition, an extended temperature model is offered for this series and allows operation under extreme temperatures.

Technical Information

CPU Support
Intel® Celeron® N3160 (Quad Core, 2M Cache, up to 2.24 GHz, FCBGA1170 socket, 6W TDP)
Memory
1x DDR3L 1600 SO-DIMM up to 8GB
Graphic Controller
Intel® HD Graphics 400
Display Interfaces
1x HDMI (on rear, 2560 x 1600 @ 60Hz) 1x DP (on rear, 3840 x 2160 @ 30Hz / 2560 x 1600 @ 60Hz)
Multiple Display
Dual
Audio Chipset
Realtek ALC662
Audio Interfaces
1x Line-in (on front) 1x Line-out (on front) 1x Mic-in (on front)
Ethernet
2x LAN (RJ-45 on rear, Intel® I210-AT)
USB
4x USB3.0 (Type A on rear)
Serial Ports
2x RS-232/422/485 (DB9 on front) 2x RS-232 (DB9 on front)
Other I/O Ports
1x DIO (DB9 Female on rear)
Storage & Expansion
1x 2.5" SATA HDD / SSD 2x mPCIe (1x full, 1x half) 1x SIM Card Cage (by wafer)

Power Supply
Connector: Lockable DC Jack Input Voltage: DC 12V 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
System Control & Monitoring
1x Power Switch (on front) 1x Power LED (on front) 1x Storage LED (on front)
Cooling
Fanless
OS Support
Windows 7, Windows 8, Windows 10, Linux
Construction
Aluminium Chassis
Dimensions (W x D x H)
210 x 135 x 35 mm / 8.27" x 5.31" x 1.38"
Weight
1200 g / 2.65 lb
Environmental Characteristics
Operation Temp.: 0°C ~ 50°C / 32°F ~ 122°F (Standard) -20°C ~ 70°C / -4°F ~ 158°F (Extended) Storage Temp.: -20°C ~ 80°C / -4°F ~ 176°F Humidity: 0% ~ 90%
Mounting
VESA Mount
Certification
CE, FCC Class A

QBOX-2080 Series I/Os



Ordering Information

Article	Part No.	Description
QBOX-2080	SQBX208000010T00	Intel® Celeron® Quad Core N3160 SoC Processor, 1x DDR3L SO-DIMM, 1x HDMI, 1x DP, 4x USB3.0, 4x COM, 1x DIO, 2x LAN, 2x mPCIe, Operating Temp.: 0°C ~ 50°C
QBOX-2080T	SQBX208T00010T00	Intel® Celeron® Quad Core N3160 SoC Processor, 1x DDR3L SO-DIMM, 1x HDMI, 1x DP, 4x USB3.0, 4x COM, 1x DIO, 2x LAN, 2x mPCIe, Operating Temp.: -20°C ~ 70°C

