

QDSP-2020

Fan-less Box PC with Intel® Atom N270 Processor



- Fan-less design and compact size
- 3.5" embedded SBC
Intel® Atom Processor N270
Intel® 945GSE / ICH7-M, DDR2-533 SO-DIMM up to 2 GB
- USB 2.0, GbE, COM, DVI-I, AC'97 Audio
- 1x 2.5" SATA hard drive bay
- Rugged aluminum chassis with integrated cooling solution



Product Overview

The QDSP-2020 is a compact Fanless Box PC ideal for space critical applications. This embedded hardware platform is based on a 3.5" industrial SBC with Intel® Atom N270 Processor, 945GSE/ ICH7-M chipset, and DDR2 533 SO-DIMM up to 2 GB. Featured are a 2.5" SATA hard drive bay, Internal Compact Flash Type II slot, DVI-I, USB 2.0, VGA, COM (RS-232), and PS/2 KB/MS.

The QDSP-2020 provides high reliability for harsh environments, compact size, noiseless operation and is highly suited to a wide range of industrial applications such as Digital Signage, Gaming, Transportation, Surveillance, and Thin Servers.

Technical Information

Construction	Aluminum extrusion, heavy-duty steel chassis
System Board	3.5" Embedded SBC, Intel® Atom Processor N270, 945GSE / ICH7-M Chipset
Memory	1x DDR2-533 SO-DIMM up to 2 GB
I/O Panel	Front I/O panel 1x Power LED 1x HDD Active LED 2x USB 2.0 1x Power Switch Button Rear I/O panel 1x KB / MS (mini-DIN) 1x COM (D-sub 9 Pins) 1x DVI port 1x 10/100/1000 LAN port (RJ45) 2x USB ports Audio ports (AC'97) DC-12V IN Antenna Connector (Option)
Drive Bays	1x 2.5" Hard Drive Bay (SATA)
Expansion	1x Internal CompactFlash Type II Slot
WLAN	IEEE 802.11b/g (optional)

Power Supply	Input: 100-240 VAC Output: 50W, +12VDC, 4.16A max
Cooling	Fanless and Internal Heat Pipes
Shock	Operating: 10 g / 11ms; Storage: 30 g / 11ms (half-sine)
Vibration	Operating (IEC 68-2-64 Fh): 5-500Hz, 1 g (rms) / 3-axes Storage (IEC 68-2-6 Fc): 5-500Hz, 2 g (rms) / 3-axes
Temperature / Humidity	Operating: 0°C to 45°C, 0%-90%, non-condensing Storage: -20°C to 80°C, 0%-90%, non-condensing
Dimensions	216 x 60 x 200 mm (WxHxD)
Weight	2.8 kg
Mounting	Wall-mount
Certifications	CE, FCC Class A

Ordering Information

Article	Description
QDSP-2020	Fanless Box PC with Intel® Atom Processor N270 , DDR2 SO-DIMM, 2.5" 80GB HDD, AC Adapter

