QDSP-2100

Fan-less Box PC with AMD Mobile Sempron™ 3700+ Processor

- • Fan-less design and compact size
- • 3.5" embedded SBC

  AMD Sempron™ 3700+

  ATI M690E/SB600 chipset, DDR2-667 SO-DIMM up to 2GB
- • M690E X1250 graphics core, HDMI, VGA
- • USB 2.0, GbE LAN, COM, HD Aduio
- • 1x 2.5" SATA hard drive bay
- • Rugged aluminum chassis with integrated cooling solution

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Product Overview

The QDSP-2100 is a compact fanless box PC ideal for space critical applications. This embedded hardware platform is based on a 3.5" industrial SBC support AMD Mobile Sempron™ 3700+ Processor, ATI M690E/ SB600 chipset, and DDR2-667 SO-DIMM up to 2GB. Featured are a 2.5" SATA hard drive bay, 1x PCI-e GbE, USB 2.0, VGA, HDMI, COM (RS-232), and PS/2 KB/MS.

The QDSP-2100 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, AMD Mobile Sempron™ 3700+ Processor (Socket S1) ATI M690E/SB600 chipset

Memory
1x DDR2-667 SO-DIMM up to 2GB

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 (RS-232)
1x VGA port (D-sub 15 Pins)
1x HDMI port
1x 10/100/1000 LAN port (RJ45)
4x USB ports
HD Audio
DC-12V IN
Antenna Connector (Optional)

Drive Bays
1x 2.5" Hard Drive Bay (SATA)

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 60°C, 0%-90%, non-condensing (with wide range temperature HDD and SSD)
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-2100	Fanless Box PC with AMD Sempron™ 3700+, 1GB DDR2 SO-DIMM, 2.5" 80GB HDD, AC Adapter, Power cord

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