

Fanless Box-PC 100 DSP

PKDS1014



As a cost effective solution in entry level digital signage applications, RISC-based VIA VT8430XA CPU with DSP is selected as the core engine of the Fanless Box-PC 100 DSP. Even low power consumption and tiny size, the Fanless Box-PC 100 DSP integrates various functions such as VGA, composite A/V, S-Video (optional), COM, USB, 10/100 Ethernet and CF storage. The Fanless Box-PC 100 DSP also integrates digital signage software that allows the same multi-media presentation to appear on display devices at different sites. The presentation content can appear at the scheduled time.



Front Side



Rear Side

Main Features

- VIA VT8430XA application processor with DSP
- Low power consumption
- Tiny size and fanless
- VGA, Composite Video Output, S-Video (optional)
- Optional WLAN support
- External CF card storage

Technical Specification

Software

- Support multi zone partitioning for picture (JPEG), video (MPEG 1,2,4), scrolling text and Flash
- Programmed content can be updated via Internet and CF card
- 24/7 auto and endless loop playback
- Support scrolling text in various speed playing and different positions
- Create playback schedule to deliver targeted messaging in 24/7 and real time

Main Board

- VIA VT8430XA application processor (250MHz ARM 9 RISC processor + 200MHz DSP)

Main Memory

- Support 400 DDR2 128MB on board (up to 256MB)

I/O interface-Front

- 2x LED for WLAN and Storage
- 1x CF card socket
- 1x COM (RS232)
- 1x USB 2.0
- 1x Power Switch (w/ LED)

I/O interface-Rear

- 2x Audio Composite Line-Out (R&L)
- 1x Composite Video
- 1x VGA
- 1x RJ45 with LEDs 10/100Mbps Ethernet
- 1x 12VDC Power In
- 1x Antenna hole for WLAN

Storage

- 1x IDE CF card (external)
- U-DOM 2GB (internal)

Dimensions

- 124 x 128.4 x 28 mm (D x W x H)

Power Requirements

- 1 x External 40W AC/DC power adapter
- AC-in: 100~240VAC
- DC-out: DC+12V

Environment

- Operating Temperature: 0°C~+40°C
- Storage Temperature: -20°C~+85°C
- Humidity(Non-condensing): 10%~90%@40°C

Certification

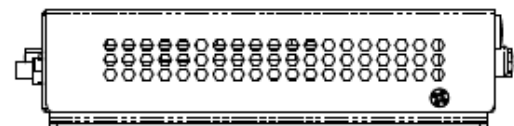
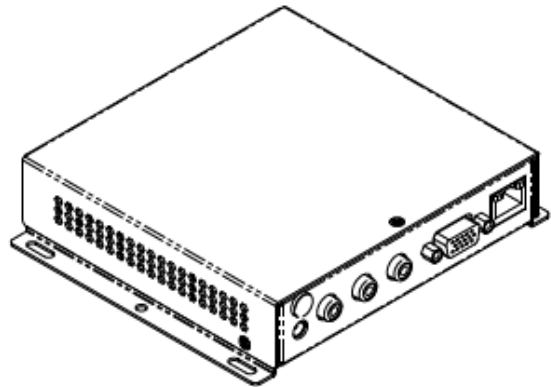
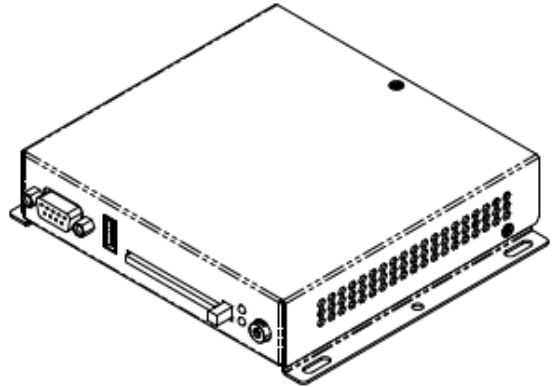
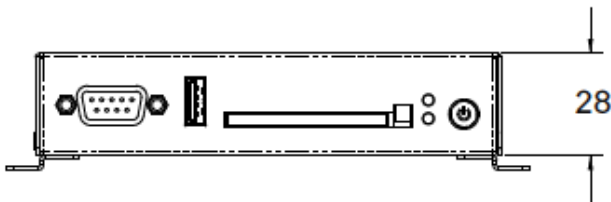
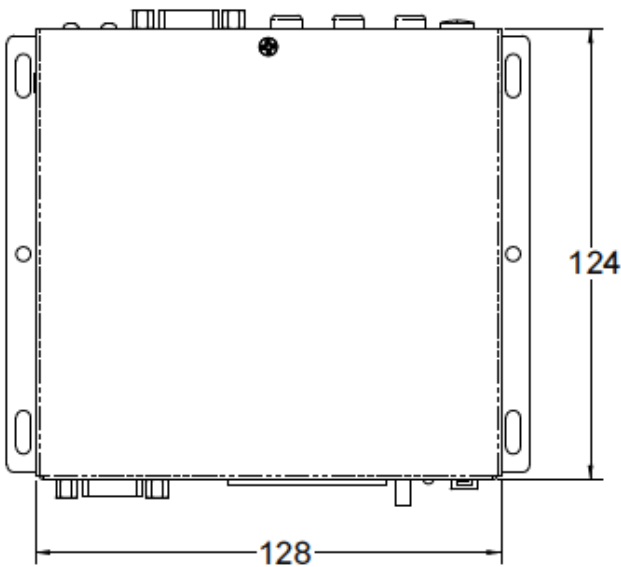
- CE approval
- FCC Class A

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Dimension Drawing



Ordering Information

PKDS1014 Fanless Box-PC 100 Barebone Digital Signage Player
VGA/Composite A/V, S-Video, COM, USB Ethernet, CF storage

Options

PZOC3035 Intel Celeron M440 1.86GHz
 PZOC3036 Intel Celeron M575 2.0GHz Core Solo
 PZOC5011 Intel Core Duo T2500 2.0GHz
 PZOC5020 Intel Core2DuoT7400 2.13GHz
 PZOC5021 Intel Core2Duo T9400 2.53 GHz
 PZOC5022 Intel Core2Duo P8600 2.4GHz
 PZOC5023 Intel Core2Duo P8400 2.26GHz
 PZOC2006 AMD Athlon 64 2600+ Single Core 1.6GHz
 PZOC2007 AMD Athlon 64 3100+ Single Core 2.0GHz
 PZOC2008 AMD Athlon 64 3400e Dual Core 1.8GHz
 PZOC2009 AMD Athlon 64 3400+ Dual Core 1.8GHz
 PZOC2010 AMD Athlon 64 420000+ Dual Core 2.2GHz

PZSS5630 DDR2-RAM 1GB SODIMM
 PZSS5631 DDR2-RAM 1GB
 PZSS5632 DDR2 800 SDRAM 1GB
 PZSS5633 DDR3 1066 SDRAM 1GB
 PZSS5634 DDR2-RAM 533 2GB SODIMM
 PZSS5635 DDR2 2GB
 PZSS5636 DDR2 800 2GB
 PZSS5637 DDR3 1333 SDRAM 2GB
 PZSH5510-1 HDD 80GB 2.5" SATA, 8MB, 12ms
 PZSH5506-1 HDD 160GB 2.5" SATA RoHS, 8MB, 11ms
 PSBX1029 Win. XP Prof. w/ installation
 PSBX1041 Win. XP Prof. multilanguage w/ installation