

# Fanless Box-PC 163 DSP

## PKDS1003



The Fanless Box-PC 163 DSP is specially designed to be mounted behind the large-size display device such as LCD TV or PDP. The Fanless Box-PC 163 DSP supports dual display output by DVI, HDMI or VGA. The Fanless Box-PC 163 DSP operates on Intel® Core™ 2 Duo, Celeron® family processors with 1.066/667 MHz, GM45 integrated graphics controller. The Fanless Box-PC 163 DSP can smoothly playback variety of Full HD video. NDIS 163 is ideal as advanced digital signage player for advertising, hospitality, brand promotion and digital menu board application.



### Main Features

- Intel® Core™ 2 Duo/Celeron® platform
- Intel® GMA 4500MHD Graphics Engine
- Compact and fanless

- Dual Independent Display Support
- WLAN and TV Tuner support

### Technical Specification

#### CPU Support

- Intel® Core™ 2 Duo/Celeron® family processors with 1.066/667MHz

#### Chipset

- Intel® GM45
- Intel® 82801IBM I/O Controller Hub

#### Main Memory

- 2x 240-pin 25° angled DIMM, up to 8 GB with un-buffered and non-ECC DDR3 800/1.066 MHz SDRAM

#### I/O Interface-Front

- 2x USB 2.0
- 1x RS232
- GPIO Terminal Port (4 in, 4 out)

#### I/O Interface-Side

- 1x +12VDC-in
- 2x LED for PW and HDD
- 1x ON/OFF Power Switch
- 1x VGA
- 1x DVI-D
- 1x HDMI
- 2x USB 2.0
- 1x RJ45 with LED 10/100/1.000Mbps Ethernet
- 1x SPDIF
- 1x Line-out
- 2x Antenna hole for WiFi and TV Tuner

#### Storage

- 1x 2.5" SATA HDD Bay
- 1x uDOC

#### Expansion

- 1x Mini-PCIe for optional Wireless LAN module
- 1x Mini-PCIe for optional TV tuner module

#### Dimensions

280 x 210 x 40.4 mm (W x D x H) w/o mounting bracket

#### Construction

- Top cover made by Aluminum for main heat exchange
- Chassis made by steel in black

#### Power Requirements

- 1x external 96W AC/DC power adapter
- Input: 100 to 240VAC
- Output: 12VDC

#### Environment

- Operating temperatures: 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Relative humidity: 10% to 90% (non-condensing)

#### Certification

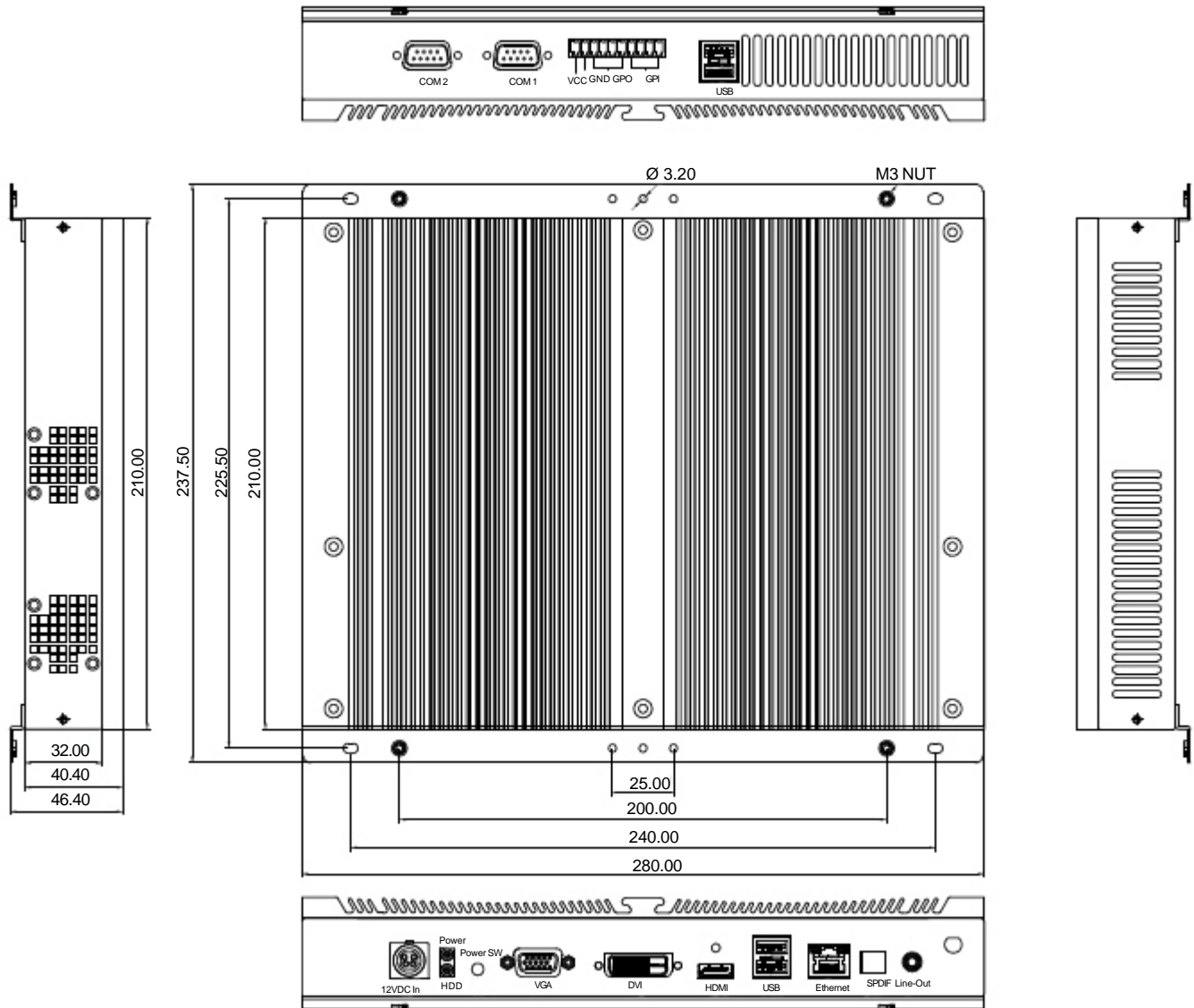
- CE approval
- FCC class A

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### Dimension Drawing



### Ordering Information

PKDS1003 Fanless Box-PC 163 Barebone Digital Signage Player  
Dual display DVI, HDMI or VGA/WLAN/TV support

### Options

PZOC3035	Intel Celeron M440 1.86GHz	PZSS5630	DDR2-RAM 1GB SODIMM
PZOC3036	Intel Celeron M575 2.0GHz Core Solo	PZSS5631	DDR2-RAM 1GB
PZOC5011	Intel Core Duo T2500 2.0GHz	PZSS5632	DDR2 800 SDRAM 1GB
PZOC5020	Intel Core2Duo T7400 2.13GHz	PZSS5633	DDR3 1066 SDRAM 1GB
PZOC5021	Intel Core2Duo T9400 2.53 GHz	PZSS5634	DDR2-RAM 533 2GB SODIMM
PZOC5022	Intel Core2Duo P8600 2.4GHz	PZSS5635	DDR2 2GB
PZOC5023	Intel Core2Duo P8400 2.26GHz	PZSS5636	DDR2 800 2GB
PZOC2006	AMD Athlon 64 2600+ Single Core 1.6GHz	PZSS5637	DDR3 1333 SDRAM 2GB
PZOC2007	AMD Athlon 64 3100+ Single Core 2.0GHz	PZSH5510-1	HDD 80GB 2.5" SATA, 8MB, 12ms
PZOC2008	AMD Athlon 64 3400e Dual Core 1.8GHz	PZSH5506-1	HDD 160GB 2.5" SATA RoHS, 8MB, 11ms
PZOC2009	AMD Athlon 64 3400+ Dual Core 1.8GHz	PSBX1029	Win. XP Prof. w/ installation
PZOC2010	AMD Athlon 64 420000+ Dual Core 2.2GHz	PSBX1041	Win. XP Prof. multilanguage w/ installation