

Model Information



■ Features

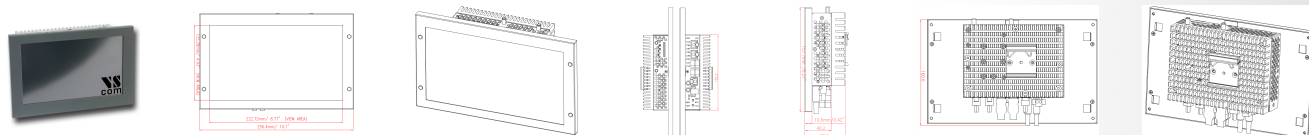
- 10.1" color TFT
- Resolution 1024 x 600, resistive touch
- Intel Atom D525 1.8 GHz
- 1 GB DDR2 SDRAM
- HD Audio, speaker and microphone
- HDD/SSD drive bay, SD card slot
- 2 x Giga LAN
- Mini PCIe slot
- 1 x RS232/422/485
- 4 x USB 2.0
- 10-30V DC supply
- Option: WLAN, Bluetooth
- Option: GSM/3G, GPS

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OFPPC 5110

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■ Overview

The OFPPC 5100 Open Frame Panel PC series of Embedded PC is designed for harsh industrial environments. It features fanless and cableless construction, low power consumption and operating over wide temperature ranges. Its reliable design allows to withstand mechanical vibrations, hot or cold environments, power failures or environmental electrostatic discharges.

The OFPPC 5100 series has a modular and reliable design based on the newly emerged standard of Qseven core modules. The Open Frame embedded systems support Intel's Atom D525 high performance CPUs.

The OFPPC 5100 series integrates many standard connectivity devices in a compact construction, all connections placed on one side only. Available are double Gigabit LAN, USB, RS232/422/485 serial port and optionally WLAN, Bluetooth and a parallel port to match different industrial application requests. GSM/3G or GPS function are other options.

The complete OFPPC 5110 system is mounted on the back side of a 10.1" touch panel display. A heat spreader with cooling fins protects the back side of the construction. The OFPPC 5110 boot from an internal HDD or SSD, or even from a SD memory card in the internal slot.

■ Chassis

Construction

Open Frame, Steel case holds the display
Aluminum cooling plate with fins

Cooling system

passive heatsink, fanless

LED indicators	Power on/off, HDD access, LAN access Standby Power internally
Expansion slot	1 x Mini PCI Express SIM slot for GSM/3G
Dimensions	257 × 169 × 48 mm ³ (W×H×D)
Power switch	Bottom side
Reset Switch	Bottom side
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■ Hardware	
Processor	Intel Atom D525 @ 1.8GHz
Cores	2 (4 by Hyperthreading)
CPU socket	Q7 module
BIOS	Phoenix - Award BIOS
Chipset	ICH8M
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■ Memory	
Memory type	DDR2 1 GB
Memory socket	soldered onto Q7 module
BIOS	8MBit SuperFlash
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■ Video	
TFT Controller	GMA3150 GPU integrated in D525
Video RAM	up to 256MB frame buffer
Interface	LVDS
Size	10.1" display, 16:9
Resolution	Physical 1024 × 600 Logical up to 1366 × 768 / 32bit
Touch	Resistive Touchscreen
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■ Integrated Devices	
HDD/SSD Bay	1 x 1.8" SATA HDD or SSD
SD Card	One slot for normal size SD memory card, bootable
HD-Audio	Realtek ALC888 HD Audio codec
Real Time clock	Standard
Keyboard / Mouse	USB-Support Internal pin header for PS/2 function
Watch Dog Timer	Built in W83627H, for system reset or SMI
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■ Connectivity	
LAN	2 x RJ45 GigaLAN - Realtek RTL8111E (support PXE boot) - Marvell 88E8057 (support PXE boot)
USB	4 x USB 2.0 supports boot function from USB

Com Ports	1 x RS232/422/485 on RJ45, max. 115.200bps
HD-Audio	Mic-in (Line-in) Line-out ear-jet connectors
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■ Power supply	
Power input	DC 10-30V
Power consumption	min 20W
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■ Environment	
Operating Temp.	0° to +50°C
Storage Temp.	−20° to +80°C
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■ Supported OS	
Microsoft	Windows XP/XPE, Windows 7
Linux	Kernel 2.6 / 3.x
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■ Ordering Information	
Art.No	3823
Product Name	OFPPC 5110
Packing list	OFPPC 5110 Embedded System Terminal block for Power supply CD-ROM with English documentation, drivers and tools
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