

SEAL WPC-766E

Medically certified box PC with powerful processor and a wide range of connection options for diagnostic devices

Features

- Intel® Core™ i7/i5 processors of the 6th/7th generation
- Up to 32GB DDR4 2133MHz SODIMM
- Flexible customization through additional interfaces
- IEC-60601-1 certification for safe use in medical environments
- Maintenance-free aluminum housing



SEAL WPC-766E – Rugged Medical Box PC for demanding medical applications

The SEAL WPC-766E is a rugged medical box PC specially developed for medical applications. It features 7th generation Intel® Core™ processors and complies with IEC-60601-1 (4th Edition) certification, which ensures safety and reliability in medical environments. The robust design makes it resistant to electromagnetic interference, shocks and vibrations, so that it works reliably even in demanding clinical environments.

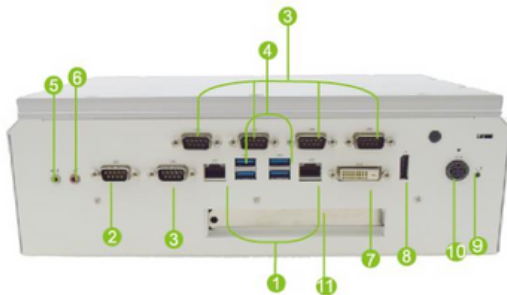
Optimum performance with versatile expansion options

The SEAL WPC-766E offers a powerful hardware foundation with an Intel® Core™ i7/i5/CPU and up to 32 GB DDR4 RAM for fast and efficient processing of medical data. The system also has two Mini PCIe slots and one PCIe x16 slot to enable expansion with additional interfaces or specialized medical devices.

Robust design for medical environments

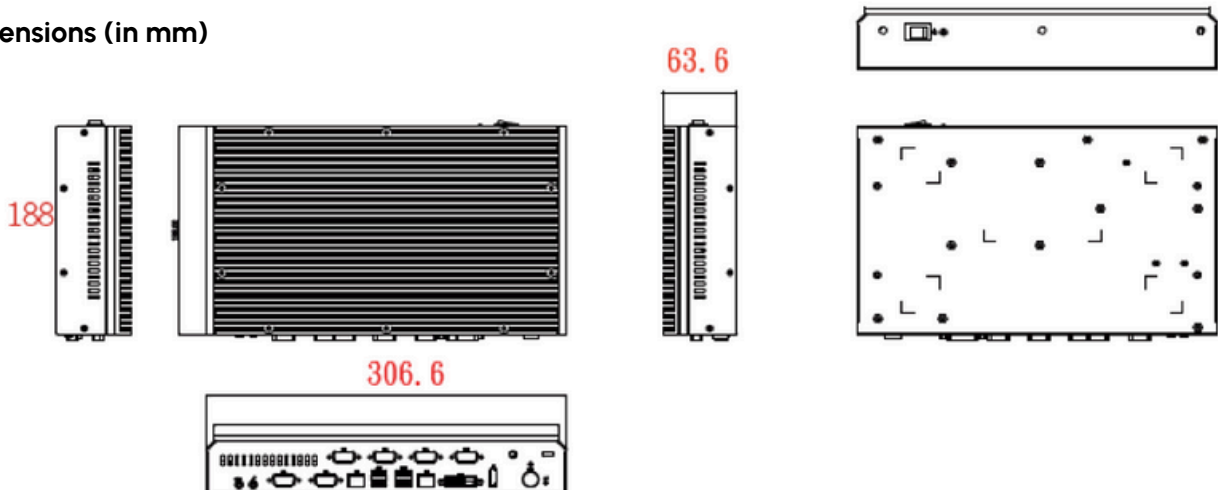
The fanless aluminum housing ensures low-noise and maintenance-free cooling, while the compact design facilitates integration into medical workstations. The SEAL WPC-766E combines high computing power, robust design and comprehensive safety certifications – the ideal solution for medical applications that depend on reliable and powerful IT systems.

Appearance



- | | |
|---------------------|---------------------|
| 1 LAN x 2 | 6 Microphone-in |
| 2 RS232/422/485 | 7 DVI-D |
| 3 RS232 x 5 | 8 DP x 1 |
| 4 USB x 4 (USB 3.0) | 9 Reset |
| 5 Line out | 10 DC-in |
| | 11 PCI-E {x16} slot |

Dimensions (in mm)



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Specifications	SEAL WPC-766E
SYSTEM	
CPU	6th/7th generation Intel® Core i7/i5 processor Support of Intel® vPro through optional i7/i5 CPU
Graphics	Intel® integrated UHD Graphics 530
RAM	2x DDR4 2133MHz, SO-DIMM up to 32GB, Dual-Channel, Non-ECC
Storage	1x 2.5" SATA SSD drive bay Optional second 2.5" SSD drive bay Optional mSATA co-share slot with mini-PCIe
Expansion	1x PCIe x16 expansion slot 2x Mini PCIe (Half support mini-PCIe, Full support mini-PCIe/mSATA)
Operating System	Windows 7 Pro, Windows 7 Embedded, Windows 8 Embedded, Windows 8 Industrial, Windows 10
INTERFACE	
Ethernet	2x GigaBit RJ-45
USB	4x USB 3.0
COM	5x RS-232 1x RS-232/422/485 with automatic flow control
Video	1x DVI-D 1x DisplayPort
Audio	1x Mic-in and 1x Line-out
ENVIRONMENTAL	
Chassis	Silver aluminum heat sink and white coated housing
Cooling	Fanless
Power Supply	Power consumption DC 9V~28V Power supply: AC input 100 ~ 240V / 47 ~ 63 Hz / DC output 12V Power consumption 79.8 Watt
Remote Control & LED	Switching on/off, resetting
Operating Temperature	0°C ~ 30°C
Storage Temperature	-20° ~ 60°C
Vibration/Shock Resistance	Vibration: Operating, 40G, 11ms, half sine wave Shock: Operation, 5 ~ 17Hz, Amplitude 0.2", 17 ~ 500Hz, Acceleration 3.0G
Humidity	10 ~ 90% , non-condensing
Dimensions (W x D x H)	306.6 x 188 x 108.6mm
Weight	4kg
Certifications	CE: EN 60601-1-2:2015(V4.0), MDR: EN 60601-1:2006/A1:2013(V3.1) VCCI: 2016-II, Class B (PSU/Battery with PSE) FCC: Part 18 Class B UL: ANSI/AAMI ES60601-1:2012 (V3.1) cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) ISO 14971 / IEC62133

Ordering Information	Product Description
WPC-766E(i5)	Fanless medical Box PC with Core i5-6500TE/ DDR4G RAM/ 64G SSD
WPC-766E(i7)	Fanless medical Box PC with Core i7-6700TE/ DDR4G RAM/ 64G SSD

Add on parts

- 802.11 ac/a/b/g/n WLAN + BT4.1 module (M.2 via Mini PCIe adapter with two antenna)
- Equipotential Terminal pin
- TPM 2.0 module
- mSATA module
- PCIe x 6 riser card (Support 35W max.)
- 2nd 2.5" SSD
- Battery pack
- Full HD capture card
- Isolated 4KV module (1x 4KV Isolated USB 2.0 connector / 1x 4KV Isolated Giga LAN connector / 2x 4KV Isolated COM connector (1x RS-232, 1x RS-232/422/485 by jump setting))

Customization

- 1 Black heatsink/ housing
- Extra USB Ports 5,6,7,8,10
- DVD Player