

WERTH SYSTEMS PXE-SERIES

Fanless Medical Panel PC in Aluminum Case in 21.5" And 23.8"



- ◆ Powerful - up to Intel Core i7 20-Core 14th. Generation CPU
- ◆ Easy to clean - closed housing & full flat IP65 PCT-Touch-Glass-Front
- ◆ Eye friendly - high brightness & anti-reflective coated - real color display
- ◆ Durable - robust aluminum housing with edge protector of the display glass
- ◆ Easy to maintain - modular design



Hygiene optimized Design

The PXE-Series is easy to clean with standard cleaning agents, due to the full flat front and the completely closed, full flat aluminum housing, which has IP64 from four sides.

The fanless PXE-2250 All-in-One-PC is designed to meet the increased demand of disinfectable computer systems in hygiene- and patient environments. Due to the complete closed aluminum housing and the fanless design with a direct-channel cooling system, it is the ideal basis for the creation of a modern and powerful medical electrical system. The Windows Image of the PXE-Series is compatible to the current WERTH SYSTEMS ST-1050, TT-2050 and XE-850 Box PCs and to the CMP-xx50 Panel PC.

Available Versions

Description	PXE-2450	PXE-2250
Part Number	2002163 (i5) / 2002190 (i7)	2002161 (i5) / 2002162 (i7)
CPU	Intel Core i5-14400T or Intel Core i7-14700T	
ClocksPEED (Cache)	Intel i5 = 1.1 to 4.5 Ghz (20MB) / Intel i7 = 0.9 to 5.2 Ghz (33MB)	
CPU Cores (Virtual Cores)	Intel i5 = 10 (6) Cores / Intel i7 = 20 (8) Cores	
Display	23.8" IPS Panel	21.5" IPS Panel
Dimensions (WxHxD)	568 x 341 x 66 mm	526 x 322 x 66 mm
Weight	9.9 Kg	8.9 Kg
Brightness / Contrast Ratio	450 cd/m ² (calibrated) / 1000:1	350 cd/m ² (calibrated) / 1000:1

Technical Information

Touch Panel	10 fingers Multitouch-PCT / 100 Million times Lifetime
Hardness / Glass Thickness	9H / 2.23mm
Max. Resolution	1920 x 1080 (external = 4096 x 2304 / 60Hz and HDR with Display Port)
Viewing Angle	178° / 178° H / V
Color Depth	8 bit with True Black technology
Color Fidelity	99.6 % sRGB
Reflection Grade	Optical coated anti-reflective display glass
Flicker Free	Yes, flicker free, PWM free Backlight
Remote Access	Yes
RAM Standard Setting	16 GB DDR5
RAM Maximal	64 GB (2x 32GB) DDR5 5600 Mhz
Harddisk / SSD	512 GB M.2 SSD
Number of supported Displays	Up to 3 Displays (2x external)
Network	2x 2.5 Gigabit LAN i225 with Wake On Lan and PXE
Audio	Intel HD Audio, Line In, Line Out
Ports	3x USB 3.2, 1x USB 2.0, 2x RS-232, 2x HDMI-Out, 2x Display Port-Out (HDCP2.2)
Potential Equalization Pin	Yes, according to DIN 42801
Security Functions	Firmware TPM 2.0
Housing	Aluminum with VESA 100 support
Cooling System	Direct Channel cooling (fanless)
IP-Classification	IP 53 (IP64 from 4 sides)
Expansion-Slot	None
Internal Slots	1x M.2 (Socket 1) for CNVi Wi-Fi Module, 1x M.2 Socket 3 (MKey) for SSD
Power Supply	External, medical 90 W Power Supply, 12 V DC Output, 110-240 V Input
DC-Input Mainboard	2 V to 24 V
Temperature range	0 °C to 40 °C
Place of Production	Germany
Production standard	ISO 9001
Warranty	3 years bring in and return
Supported Operating Systems	Windows 10 Pro, Windows 11 Pro, Linux
Image Compatibility	Werth ST-1050, XE-850, CMP-xx50
Conformity	CE, RoHS
Norm	IEC60601-1-2:2014, Power Supply: IEC 60601-1:2012
Scope of Delivery	Manual, Driver USB-Stick, Power Supply, AC-Cord

Available options and extensions for the WERTH SYSTEMS PXE-Series

Optional Modules:

Amplifier Module with
2x 3 Watt Speakers,
Intel AX WLAN/Bluetooth
Module with 2 Antenna
Ports

Mechanical Options:

SMART-MED AIO Stand with height
adjustment and pivot function, for
15" to 24" Panel PCs
SMART-MED Power Supply cover for
mounting on the Panel PC-rear side.

Harddisk's / SSD's:

250 GB / 500 GB / 1 TB M.2 SSD
for 24/7 use

Additional Warranty:

Expansion to 4 years / 5 years Warranty /
48h Replacement in advance