SMART-MED PXE-2450

23.8' fanless high performance Medical Panel PC in Alumium Case

NEW

PREMIUM QUALITY
MADE IN GERMANY

intel. CORE i7 intel. CORE i5 intel. CORE i3

60601-1-2 4th. Edition | washable | 20000 CPU-Mark | fanless | 24/7 use | VESA 100 | 450cd/m² Brightness
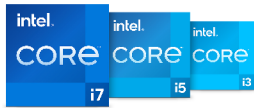
▶ powerful - up to Intel Core i7 12-Core 12th. Generation CPU

▶ easy to clean - closed housing & full Flat IP65 PCT-Touch-Glass-Front

▶ eye friendly - high brightness & optical antireflective coated real color Display

▶ durable - robust Aluminum housing with edge protector of the Display Glass

▶ flexible in use - Windows Image compatible to all Werth xx50 BOX-PCs and Panel PCs

hygiene optimized design

The PXE-2450 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 4 sides.

The fanless PXE-2450 All in One PC is a designed to meet the increased demand of disinfectable Computer Systems in Hygiene- and Patientenvironments. Due to the complete closed Aluminum housing, the fanless Design with a Direct-Channel cooling system and the versatile ports , it is the ideal basis for the creation of a modern and powerful Medical Electrical System. The Windows Image of the PXE-2450 is compatible to Werth Systems ST-1050 and XE-850 BOX PCs and to all CMPxx50 Panel PCs.

Technical Datasheet SMART-MED PXE-2450

WERTHSYSTEMS

Description	PXE-2450-i5	PXE-2450-i7	PXE-2450-i3
Part No.	TBD	TBD	TBD
CPU	Intel Core i5-12400T	Intel Core i7-12700T	Intel Core i3-12100T
Clockspeed / Cache	1.8 to 4.2 Ghz / 18 MB	1.0 to 4.7 Ghz / 25 MB	2.2 to 4.1 Ghz / 12 MB
CPU Cores / Virtual Cores	**6 / 6 Cores**	12 / 8	4 /4
Passmark Score	15000	20000	**12000**
Display	23.8' **IPS Panel**		
TouchPanel	**10 fingers Multitouch- PCT** / 100 Milliontimes Lifetime		
Hardness / Glass Thickness	9H / 2.23 mm		
max. Resolution	1920x1080 (external= 4096x2304 / 60Hz and HDR with Display Port)		
Brightness / Contrast Ratio	**450 cd/m2** (calibrated) / 1000 : 1		
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		
RAM Maximal	**96 GB (1x 64 GB + 1x 32 GB) DDR5 4800 Mhz**		
Harddisk / SSD	500 GB M.2 SSD		
No. of supported Displays	**up to 3 Displays (2x external)**		
Network	**2x 2.5 Gigabit LAN** with Wake On Lan and PXE		
Audio	Intel HD Audio with 2x 3 Watt , Line In, Line Out		
Ports	3x USB 3.2, **1x USB 2.0 in the I/O shield, 2x RS-232**, 2x HDMI-Out, 2x Display Port-Out		
Potential Equalisation Pin	(HDCP2.2)		
Security Functions	**Yes, according to DIN 42801**		
Housing	Firmware TPM 2.0		
Cooling System	**Aluminum Housing with edge protector of the Display Glass**		
IP-Classification	Direct Channel **cooling (fanless)**		
VESA Mounting support	IP 52 for the whole System (IP 62 from 4 sides, IP65 Front)		
Expansion-Slot	VESA 100		
internal Slots	none		
Power Supply	1x M.2 (Socket 1) for CNVi Wifi Module, 1x M.2 Socket 3 (M Key) for SSD		
Power Button	external, medical 150 W Power Supply, 19 V DC Output, 110-240 V Input		
DC-Input Mainboard	**long lasting mechanical Button with IP65**		
Dimensions	12 - 36 Volt DC		
Weight	568 x 341 x 66 mm (WxHxD)		
Temperaturerange	9.2 Kg		
Place of Production	**0 ˚C to 40 ˚C**		
Productionstandard	Germany		
Warranty	ISO 9001		
supported Operating Systems	3 years bring in and return		
Image Compatibility	Windows 10 PRO, Windows 11PRO, Linux		
Conformity	Werth ST-1050, XE-850, CMPxx50		
Norms	CE, RoHS		

Options for the SMART-MED PXE-2450

optional Modules:
Intel AX WLAN/Bluetooth Module with 2 Antenna Ports

Harddisk's/SSD's:
250 GB / 500 GB / 1 TB / 2 TB M.2 SSD for 24/7 use

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 the Power Supply at the Panel PC-rear side
SMART-MED I/O Cover Box for IP 54 for the whole System

additional Warranty: Expansion to 4 years / 5 years Warranty