

e-medical™ Silence TP-24P

24" fanless medical All-in-One Panel PC



The **e-medical™ Silence TP-24P** PC is an all-in-one panel PC solution for the medical area. The system combines PC, display, speaker in one casing. An energy efficient LED backlight display and a processor of the Intel® 12th Generation are combined in a completely closed 24" casing.

By means of the direct channel heatpipe the produced heat is leaded out of the casing interior, without using parts like ventilation fans. The energy saving MVA panel provides an especially high colour stability, even with lateral view angle, due to the arrangement of the liquid crystals in strips.

Upgrades and accessories on request.

Benefits:

- Intel® Alder Lake i5-1235U
- 23.8" FHD MVA Diagnostic Panel
- P-Cap Multi-Touch
- Easy to clean
- Hospital White Plastic Housing w/ Anti-bacteria Treatment
- Fanless Design
- IP54 Rear
- MS Windows® 11 ready



Technical Data of e-medical™ Silence TP-24P

Part No.	2013092
Processor	Intel® i5-1235U (Alder Lake / 12th Gen.)
Processor Core	10 Core, 12 MB Intel® Smart Cache
Chipset	FCBGA1744
Graphics	Intel® Iris Xe Graphics
RAM	16 GB
Hard disks	256 GB SSD
OS Support	Windows 10 Pro; Windows 11 Pro (OS not included in delivery)
Interfaces	4x USB3.2 gen II; 1 x Line-out & 1x Microphone-in (3.5mm phone jack); 1x Display Port 1.4a; 1x HDMI 2.0, 1 x HDMI (video-in); 1x RS232/RS422/RS485; 1x RS-232; 2x LAN
LAN	2x RJ45 (1x 1.0 Gbps, 1x 2.5 Gbps)
WiFi / Bluetooth	WiFi 7 + Bluetooth
Operating Elements	Projected to the front, capacitive; Power on/off; brightness, volume; Backlight on/off; Touch on/off, reading light on/off
Power Supply	Medical, external, AC input 100~240V / 47 ~ 63 Hz / DC output 24V, 180W
Casing	Front: Full Flat design; Rear: Plastic White w/Anti-bacteria (MRSA) Housing with additional potential equalization pin; fanless; incl. speaker
Dimensions	594 x 397 x 56 mm
Weight	approx. 9.0 kg (w/o power adapter)
Mounting	VESA 100 / 100
Cooling System	Heatsink / Fanless
Temperature (operation)	0~40°C (Burn-in, not airtight)
Temperature (storage)	-20~60°C
humidity (operation)	10 ~ 90%, non-condensing
humidity (storage)	10 ~ 90%, non-condensing
IP protection class	Front IP65, Rear IP54
Standards	CE: EN 60601-1-2:2015(V4.0), EN 60601-1:2006 + A11: 2011 + A1: 2013 + A12: 2014 Compliance, VCCI: 2016-11, Class B (PSU/Battery with PSE), RoHS, REACH, FCC: Part 18 Class B / UL: ANSI/AAMI ES60601-1:2012 (V3.1) Only By Project , cUL: CAN/CSA-C22.2 No. 60601-1:2014 (V3.1) Only By Project / ISO 14971 / IEC62133

LCD Panel Specifications

Panel	23.8" wide TFT-Color LCD
Touch Technology	P-Cap Multi-Touch Panel
Resolution	1920 x 1080 (Full HD)
Contrast	3000:1 typical
Brightness	250 cd/m² typical
Number of Colors	16.7M colours
Viewing Angle	178(H) / 178(V)
Hardness Grade	7H pencil, pressure 765g/45°