

e-medical™ Silence TP-22P

22" fanless medical All-in-One Panel PC



The medical all-in-one panel PC **e-medical™ Silence TP-22P** is designed to meet medical safety standards.

It meets the high requirements of diverse of clinical applications. For example, the TP-22P is used in EMR systems, anesthesia applications and in the operating rooms. A powerful computer that combines PC, display and speaker in one device. In addition, the completely closed antibacterial housing is resist against chemical disinfection. Further to the excellent hygienic properties, the e-medical™ Silence TP-22P has a number of features that make the daily work of clinics and hospitals easier.

Upgrades and accessories on request.

Benefits:

- Intel® Alder Lake i5-1235U
- 21,5" FHD MVA Diagnostic Panel
- P-Cap Multi-Touch
- Easy to clean
- Versatile - 7 kg light weight
- Hospital White Plastic Housing w/ Anti-bacteria Treatment
- Fanless Design
- IP54 Rear
- MS Windows® 11 ready



Technical Data of e-medical™ Silence TP-22P

Part No.	2013027
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 18V, 100W
Casing	Front: Full Flat design; Rear: Plastic White w/Anti-bacteria (MRSA) Housing with additional potential equalization pin; fanless; incl. speaker
Dimensions	541 x 353 x 56 mm
Weight	approx. 7.0 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	21,5" wide TFT-Color LCD
Touch Technology	P-Cap Multi-Touch Panel
Resolution	1920 x 1080 (Full HD)
Contrast	1000:1 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°