MEDARIS
MP-322

Cost-efficient and hygienic

Medical Panel-PC.

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MP-322 is a cost effective and easy to clean Panel PC for different types of patient treatment areas where the device is not required for maximum performance. The display is bright and has a capacitive touch screen, which can be controlled with your fingers or the included stylus.

MEDARIS MP-322

MP-322 ip rating is IP65/43. The casing is hygienic and made from plastic. Passive heat control is carried out by internal heat pipes that lead the heat to the heat grill located on the back of the device.

MP-322 can be used, for example, as the nurses work station and it can be also installed on a variety of racks and carts. The internal battery can be included as an option, which has obout 45 minutes to 1 hour of operational time.

21,5" passive cooled Medi-cal-touch screen Panel-PC, with LED backlight

Cost efficient and easily cleanable Panel-PC

TEKNISET OMINAISUUDET

Intel i7-3517U, i5-3317U, i3-3217U
4-8 GB RAM
120-512 GB SSD
Win 7-10
4 x USB 2.0; 2 x LAN; 1 x DVI -I; 1 x Line in; 1 x Line out; 1 x RS232; 1 x RS232,422,485
EN60601-1, EN60601-1-2

CPU	Intel® Core™ i7-3517U 1.9 GHz (up to 3.0 GHz) or
	Intel® Core™ i5-3317U 1.7 GHz (up to 2.6 GHz) or
	Intel® Core™ i3-3217U 1.8 GHz
Chipset	Intel® HM65
Graphics	Intel® HD Graphics HD 4000 Direct X11 (Dual View*)
Memory	16 GB maximum, DDR3 SODIMM, 1066/ 1333 MHz, Dual Channel
Speaker	2 x 1.5 W
External I/O	4 x USB 2.0
	2 x LAN
	1 x DVI -I
	1 x Line in
	1 x Line out
	1 x RS232
	1 x RS232,422,485
Storage HDD	1 x 500 GB
Isolated ports (optional)	2 x RS232
	1 x LAN
	1 x USB
Internal slot	1 x PCI-e x 16
	2 x Mini PCI-e
Operating elements	projected to the front
	VESA 75 x 75, / 100 x 100
	capacitive
	Power on/off
	brightness, volume
	Backlight on/off
	Touch on/off
LAN	2 x Gigabit LAN Marvell 88E8071
Power pack	medical, external, 100 W, 90~264 V AC in, 12 V DC out, 2.4 m DC cable; DC input connector with lock function
Power consumption	45 W (typical, without expansions)
Standards	FCC-B, cUL, CE, VCCI
	60601-1 3rd edition (EN 60601-1:2006, ANSI/AAMI ES60601-1:2005, CAN/CSA C22.2 No. 60601-1:08)

Mechanical & environmental

Housing	• Front: Full flat Design
	• Back side: antibacterial plastics + I/O
	• Cover; colour: white
Temperature (operation)	From 0 °C to 40 °C
Temperature (storage)	From -20 °C to 60 °C
Cooling	Direct channel heatpipe / fanless
Dimension	• 540 (L) x 375 (H) x 78 (W) (mm x mm x mm)
	• Weight 7 KG (approximate, w/o power adaptor)
IP protection class	IP65 – front side / IP53 - back side

OPTIONS

- 802.11 a/b/g/n WLAN module (Mini PCIe)
- 802.11 a/b/g/n WLAN + bluetooth 4.0 module (Mini PCIe)
- Webcam (3.2M pixel, USB)
- Battery pack
- PCI-E x16 or PCI riser card
- PoE card (PCI-E x4)
- Power adaptor w/ 2.4m or 3.6m DC cable
- Antibacterial desktop stand
- Equipotential terminal pin
- TPM v1.2 module
- AG Film
- Microphone on I/O cover
- 4KV Isolation Card x 1 (Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1)
- RFID (13.56Hz)
- Power plug holder
- P-cap Touch

CUSTOMIZATION

USB 5,6 or COM 3,4
Tempered glass

LCD Panel Specifications

Type	21,5`` Class A++ TFT Panel with durable LED Backlight - Anti-Reflexion coated
Touch Technology	4 K HiRes Resistiv Touch, 5-wire high resolution 4096 x 4096 dpi
Resolution	1920 x 1080 (Full HD)
Color value	16.7 M colors
Angle of vision	Wide View 170°/ 160° typical 10 % deviation
Contrast	1000:1 typical (static) 5000:1 dynamic
Brightness	250 cd/ m² typical
Response time	3,8/ 1,2 typical (Tr/ Td)
Hardness grade display	3H
LED technology	Hi-Bright White LED (Edge 4 Way)