



Medical Panel PC M21/15AL01

21.5" / 15.6" MEDICAL-GRADE TOUCH PANEL PC

Trusted Solution for Professional Healthcare

The Shuttle MPC medical-grade touch panel PC series is engineered to meet professional healthcare standards, supporting Intel® 13th Gen Raptor Lake-U/UE and 12th Gen Alder Lake-U/UE processors. Featuring Intel® UHD / Iris Xe graphics, support for dual external displays, and I/O expansion interfaces, it delivers exceptional performance and reliability for clinical operations and medical device integration.

PROFESSIONAL MEDICAL DESIGN

- Anti-bacterial coating** Protecting healthcare environments
- Fanless design** Silent and minimizes contamination risks
- IP65 front panel** Water and dust protection
- Glove-enabled touch** Convenient medical operation

STRINGENT SAFETY CERTIFICATIONS

- International Medical Certification**
IEC / EN 60601-1 | Vital Electrical Safety Standards
- Medical Environment Certification**
CE & FCC Class-B | EMC Standards

APPLICATION



Queue Management



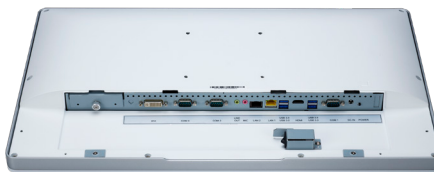
Treatment discussion



Telemedicine



Digital Signage
in Medical Environment



SPECIFICATIONS

Model	M21AL01	M15AL01
Processor	12 th /13 th Gen. Intel® Alder Lake / Raptor Lake Default :Intel® Core i3-1215UE Optional: i5-1235U, i5-1245UE, i7-1255U, i7-1265UE, Celeron® 7305E	
Memory	• 2 x 262 pin SO-DIMM up to 64GB	• Dual Channel DDR5 4800MHz
Display	21.5" 1920x1080 Full HD TFT LED with 10-Point Projected Capacitive Multi-Touch	15.6" 1920x1080 Full HD LED with 10-Point Capacitive Multi-Touch
Viewing Angle (H/V°)	89 (left), 89 (right), 89 (up), 89 (down)	85 (left), 85 (right), 85 (up), 85 (down)
Brightness	500/350 cd/m2	350/250 cd/m2
Chipset	Intel® UHD or Iris® Xe Graphics	
Display Interface	• Supports two independent displays • 1 x HDMI 2.0: 4096 x 2160@60Hz • 1 x DVI-I: 1920 x 1080@60Hz	• Supports two independent displays • 1 x HDMI 2.0: 4096 x 2160@60Hz • 1 x DVI-I (optional daughter board) • 1 x VGA (optional daughter board)
Storage	• 1 x M.2 2280 M key (PCIe NVMe / SATA) • 1 x Swappable 2.5" SSD SATA 3.0 drive bay (compatible 7mm)	• 1 x M.2 2280 M key(PCIe x4 or SATA, either one) • Optional: 1 x M.2 2280 M key SATA I/F, slidable / Fix design
Audio Codec	Realtek ALC888S-VD 2-channel	
Ethernet	• 1 x Intel®2.5 GbE LAN	• 1 x 2nd Lan (optional) • Support Wake On LAN
WLAN	Realtek RTL8821CE 802.11a/b/g/n/ac + Bluetooth 5.0	
Serial Ports	• 1 x RS-232 (DB-9) • 2 x RS-232/422/485 (DB-9) (RS-232 with power supply: ring in/ 5V (standard) &12V (with specific optional board))	
USB	4 x USB3.2 Gen 2 (Type A)	
Audio	• 1 x Line-out	• 1 x Mic-in
POAG	1 x POAG	
Bundled Adapter	19V/4.74A 90W external medical adapter	
OS Support	• Windows 10 / 11 64bit • Linux 64bit	• Windows 11 64bit • Linux 64bit
IP Rating	IP65 Front Panel Protection	
Mounting	VESA Mount 100 x 100 mm	
Dimension (L / W / H) mm	543 x 334 x 49.9	394 x 256 x 48.9
Weight	7.6kg	4.6kg
Operating Temperature (°C)	0°C ~ 40°C	
Storage Temperature	-20°C ~ 60°C	
Relative Humidity	20% - 80% RH (non-condensing)	
EMC	CE, FCC CLASS B	CE, FCC, VCCI, BSMI, UKCA
Safety	cTUVus, CB (IEC/ EN 60601-1: 2005+A1: 2012)	CB, CEC, cTUVus, BSMI, EAC
RF	US, EU	EU, US, Taiwan