Medical Panel PC
M21AL11-i5
Intel Core i5-1335U

MEDICAL-GRADE PANEL PC WITH 21.5" TOUCH-DISPLAY

This high-value Panel PC comes features a rugged Aluminium chassis with an anti-bacterial coating and IP65-rated front panel for superior hygiene and infection control. The display is Full-HD and sports a projected capacitive 10-point multi-touch function. With its passive cooling the system is virtually noiseless, maintenance-free and approved for 24/7 nonstop operation. Compliant with IEC 60601-1 medical safety standards for electrical devices, this Panel PC is built for reliable operation in a wide range of healthcare environments.





Images for illustration only.



21.5" Touch Display · Anti-Bacterial Housing · IEC 60601 EN55011 Medical Power Supply · M.2 NVMe SSD Support · 2,5" SSD Support · Dual Intel LAN · WLAN-ac · Dual Serial Port · 100 x 100 mm VESA mount · Fanless · IP65 (Front) · 24/7 Supports 24/7

ROBUST CHASSIS

■ White Color ■ Robust Aluminium chassis (3 mm thickness) with magnetic cover for the I/O connectors ■ IP65 front panel protection ■ Dimensions (WHD): 543 x 334 x 49.9 mm ■ Net weight: 7.6 kg ■ Fanless cooling system ■ Operating temperature: 0 ~ 40 °C ■ Humidity: 20 ~ 80% RH non-condensing ■ Mounting holes for 100 x 100 mm VESA mount (VESA mount and stand are not included)

MEDICAL-GRADE FEATURES

■ Anti-bacterial coating based on an inorganic zinc compound (front panel) and epoxy/polyester resin (rear chassis) ■ Medical power adapter ■ Potential equalization pin (POAG) ■ Medical certificates: cTUVus (ANSI/AAMI ES60601-1:2005/(R)2012), CB (IEC/ EN 60601-1: 2005+A1: 2012), CE (EN 60601-1-2:2015, Class B), FCC Part 18

TOUCH PANEL AND GRAPHICS

■ High quality 21.5" / 54.6cm display with 1920x1080 pixels ■ Brightness: 500 cd/m2 (nits), Contrast ratio 1000:1, Viewing angle: 89° (all directions), Response time: 22 ms ■ Capacitive touch panel with 10-point multi-touch■ Integrated Intel UHD graphics

OPERATING SYSTEM

■ An operating system is not included.
■ Supports Windows 10, Windows 11 and Linux (64-bit)

PROCESSOR

■ Intel Core i5-1335U, 2x P-Core, 8x E-Core, 12 MB Cache
■ Intel Core Gen. 13, "Raptor Lake" ULV Prozessor, 15 W TDP

RAM & SSD SUPPORT (not included)

■ RAM: 2x 262-pin SO-DIMM slot supports up to 2x 32 GB DDR5-5200
■ M.2-SSD card: M.2-2280/2242 M slot supports PCIe/NVMe and SATA
■ Swappable drive tray for 2.5"/7mm SATA SSD storage drive

BACK PANEL CONNECTORS

■ 2x HDMI 2.0b ■ 4x USB 3.2 Gen 2 (10 Mbps) ■ 4x USB 2.0 ■ Dual 2.5G LAN (Intel 226) ■ 2x COM Ports (RS232) ■ Mic-in and Line-out ■ DC-input 19V ■ Power Button and Easy Rock Switch ■ Potential Equalization Pin (POAG) including cable

OTHER FEATURES

■ WLAN 802.11ac / BT 4.2 with two internal antennas ■ Hardware TPM v2.0 ■ Full-HD Webcam ■ Two internal speakers (2x 2W, stereo)

POWER SUPPLY

■ Medical power adapter 90W/19V (IEC 60601-1 / EN55011)
■ AC input 100~240V 50~60 Hz, 3-pin connector
■ DC input: 19V (optional 9~36V on request)

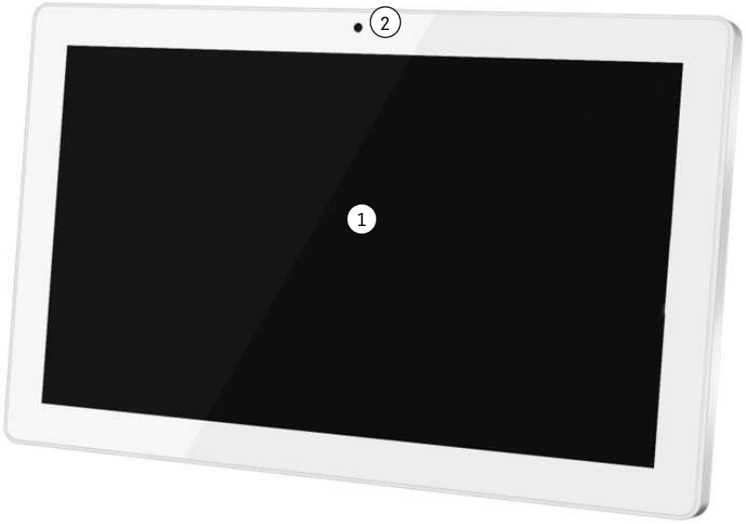
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Shuttle Panel-PCs with Intel Core Gen13 Processors "Raptor Lake-U"

Touch Screen	Application	Panel-PC Model	Intel Processor	UPC Bar Code	Color (front / rear)	Medical Features
15.6" Full-HD 350 Nits	**Industrial**	**P15RL01-i5**	Core i5-1335U	887993008967	Black / Blue	—
	Medical	**M15AL11-i5**	Core i5-1335U	887993009810	White / White	Anti-bacterial coating, POAG pin, Medical power adapter
21.5" Full-HD 500 Nits	**Industrial**	**P21RL01-i3** **P21RL01-i5**	Core i3-1315U Core i5-1335U	887993008974 887993008981	Black / Blue	—
	Medical	**M21AL11-i5**	Core i5-1335U	887993009841	White / White	Anti-bacterial coating, POAG pin, Medical power adapter

Front and Back Panel

Front panel



1. 21.5" Touch Panel
2. Full-HD Webcam

Optional Shuttle Accessory:
Robust Dual VESA Stand POV21
The flexible design supports one or two Panel-PCs or Displays with 75x75 mm or 100x100 mm VESA mount up to 21.5" display size and a total weight of up to 20 kg. POV21 features optimised cable management with magnetic back cover and is flexible and easy to adjust.



Rear View



3. Screw threads for VESA mount (100x100 mm)
4. Swappable 2.5" drive tray for SSD (7 mm)
5. Potential Equalization Pin (POAG, DIN 42801)
6. VGA-Port (D-Sub)
7. 4x USB 2.0 Type A
8. RS232 Serial COM Port
9. Audio Line Out (Headphones output)
10. Microphone input
11. 2.5G LAN Port (Intel i226V)
12. 2.5G LAN Port (Intel i226V)
13. 4x USB 3.2 Gen 2 Type A port
14. HDMI 2.0b graphics port
15. RS232 Serial COM Port
16. DC-in connector for power adapter
17. Power button
18. Easy Rocker Switch
19. Rear cover with magnet holders

Back Panel



SPECIAL FEATURES



Reliable nonstop operation

The Shuttle Panel PC M21AL11-i5 is officially approved for 24/7 permanent operation at an ambient temperature of up to 40 °C. Thanks to its low power consumption and completely passive cooling, this PC runs highly reliably and is virtually noiseless.



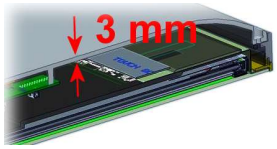
21.5“ Full-HD Touch Screen

This Panel PC has a high-grade 21.5" Full-HD display with high brightness (500 nits) and low viewing angle dependence (±89°). The capacitive multitouch screen can also be operated with gloves and allows precise input with two or more fingers at the same time.



Anti-Bacterial Coating

The housing of this Panel PC comes with an anti-bacterial coating based on an inorganic zinc compound as antimicrobial substance to reduce the possibility of infection or sepsis through microorganisms like bacterias.



Robust Aluminium Chassis

Rear chassis and middle frame are completely made of high-grade Aluminium of 3 mm thickness.



Protection Class IP65

The front panel is dust-protected and protected from splashing of water according to IP protection class 65. Consequently, the touchscreen can be cleaned very easily and effectively. This is particularly welcome in hospitals, doctor’s offices, laboratories, aged care centres or other places.



Triple Display Support

In addition to the built-in display two more independent displays can be connected via HDMI 2.0b and VGA.



VESA Mounting

The Shuttle Panel PC M21AL11-i5 has four threaded holes for mounting a 100 x 100 mm VESA mount, which is not included. For example, a suitable stand, VESA arm or wall mount can be used to mount the Panel PC.
Note: VESA mount and stand are not included in the scope of delivery.



Optional Stand „POV21“

A stand is not included in the scope of delivery. With “POV21 White”, Shuttle offers a suitable, robust stand made of high-quality aluminum alloy. Optionally, two devices can also be mounted on this stand (e.g. for a Panel PC and an additional display).





Optimized cable management

The connections on the back panel are facing down and hidden by a cover. The cover snaps in magnetically and is also fixed with screws.

Through a small opening the cables are led away from the PC in an orderly fashion This leads to an effective cable management making for a clean, tidy appearance.



Hidden Power Button

Since the power button is not accessible when the cover is on, there is also a Rock Switch hidden on the back. You can also enable the “Restore on AC Power Loss” option in the BIOS so that it always starts immediately once voltage is applied.



External 2.5” Bay

A 2.5" drive bay for an SSD drive is accessible from the outside for easy swapping of storage for installation and upgrade convenience. Additionally, an SSD card in M.2-2280/2260 format can be installed inside.



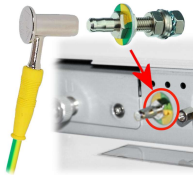
Dual Intel 2.5G Network

The Shuttle Panel PC M21AL11-i5 supports Dual 2.5G LAN with Intel network adapters, which are known for their excellent performance and driver compatibility and therefore are the preferred choice in professional environments.



Versatile connections

The numerous connections also include two serial COM ports (RS232) and eight USB ports (including 4x USB 3.2)



Potential equalization

This PanelPC comes with an Potential Equalization Pin (POAG) according to DIN 42801 in order to connect the Panel PC with a suitable potential equalization terminal, that might be required in medical environments.



Medical Power Adapter

The highly efficient external power adapter is designed for medical applications. It is certified according Medical Safety Standard IEC 60601-1 and also meets EN55011 and FCC Class B.

Shuttle Panel PC product comparison with previous generation

Display Size	Application / Colour	Intel Core Generation 12	Intel Core Generation 13
15.6″ 1920x1080 pixels Touch Panel 350 nits	**Industrial Panel-PC** Front: Black, Back cover: Blue Standard power adapter 	**Model: P15AL01-i5** CPU: Intel Core i5-1235U Graphics ports: HDMI+VGA DC input: 9-36 V (wide range)	**Model: P15RL01-i5** CPU: Intel Core i5-1335U Graphics ports: 2x HDMI DC input: 19 V
	Medical Panel-PC White color, Anti-bacterial, POAG connector, Medical power adapter 	**Model: M15AL01-i5** CPU: Intel Core i5-1235U Graphics ports: HDMI+VGA DC input: 19 V	**Model: M15AL11-i5** CPU: Intel Core i5-1335U Graphics ports: 2x HDMI DC input: 19 V
21.5″ 1920x1080 pixels Touch Panel 500 nits	**Industrial Panel-PC** Front: Black, Back cover: Blue Standard power adapter 	**Model: P21AL01-i3/i5** CPU: Intel Core i3-1215U / i5-1235U Graphics ports: HDMI+VGA DC input: 19 V	**Model: P21RL01-i3/i5** CPU: Intel Core i3-1315U / i5-1335U Graphics ports: 2x HDMI DC input: 19 V
	Medical Panel-PC White color, Anti-bacterial, POAG connector, Medical power adapter 	**Model: M21AL01-i5** CPU: Intel Core i5-1235U Graphics ports: HDMI+VGA DC input: 19 V	**Model: M21AL11-i5** CPU: Intel Core i5-1335U Graphics ports: 2x HDMI DC input: 19 V

Shuttle Panel-PCs with Intel Gen13 Prozessor

Display Size	15.6“ Display		21.5“ Display	
Model	**P15RL01-i5**	**M15AL11-i5**	**P21RL01-i3/i5**	**M21AL11-i5**
Application	**Industrial Panel-PC**	**Medical Panel-PC**	**Industrial Panel-PC**	**Medical Panel-PC**
Chassis Color	Front: black Back: dark blue	Front: white Back: white	Front: black Back: dark blue	Front: white Back: white
Medical Coating	–	Anti-Bacterial Coating (front and rear)	–	Anti-Bacterial Coating (front and rear)
Processor Options	Intel Core i5-1335U	Intel Core i5-1335U	Intel Core i3-1315U or Intel Core i5-1335U	Intel Core i5-1335U
Display Features	Resolution: 1920 x 1080 Brightness: 350 nits 10-point capacitive touch	Resolution: 1920 x 1080 Brightness: 350 nits 10-point capacitive touch	Resolution: 1920 x 1080 Brightness: 500 nits 10-point capacitive touch	Resolution: 1920 x 1080 Brightness: 500 nits 10-point capacitive touch
I/O Ports	2x HDMI 2.0b 4x USB 3.2, 4x USB 2.0 2x Intel LAN (2.5G), 2x Audio, 1x COM	2x HDMI 2.0b 4x USB 3.2, 4x USB 2.0 2x Intel LAN (2.5G), 2x Audio, 1x COM	2x HDMI 2.0b 4x USB 3.2, 4x USB 2.0 2x Intel LAN (2.5G), 2x Audio, 2x COM	2x HDMI 2.0b 4x USB 3.2, 4x USB 2.0 2x Intel LAN (2.5G), 2x Audio, 2x COM
POAG *)	–	POAG connector with cable	–	POAG connector with cable
M.2-Slot for SSD	Supports M.2-2280 SSD card PCIe Gen4 x4 (NVMe) / SATA	Supports M.2-2280 SSD card PCIe Gen4 x4 (NVMe) / SATA	Supports M.2-2280 SSD card PCIe Gen4 x4 (NVMe) / SATA	Supports M.2-2280 SSD card PCIe Gen4 x4 (NVMe) / SATA
2.5” Bay for SSD	–	–	Supports 2.5” SSD (SATA)	Supports 2.5” SSD (SATA)
WLAN Antenna	Internal Antennas	Internal Antennas	Internal Antennas	Internal Antennas
Power Adapter	Standard Power Adap. 90W IEC 62368-1 / 60950-1	Medical Power Adapter 90W IEC 60601-1 / EN55011	Standard Power Adap. 90W IEC 62368-1 / 60950-1	Medical Power Adapter 90W IEC 60601-1 / EN55011
DC-Input **)	DC-Input supports 19V **)	DC-Input supports 19V **)	DC-Input supports 19V **)	DC-Input supports 19V **)
Front View				
Rear View				

***) POAG:** Shuttle Medical Panel-PCs come with an **Potential Equalization Pin** (POAG) in order to connect the PC with a potential equalization terminal.
****) the DC-Input** normally supports 19V input voltage only. However, an optional voltage regulator module VOL01 can be added to support an extended voltage range of 9...36V.

SHUTTLE Panel PC M21AL11-i5 — SPECIFICATIONS

FANLESS AND SILENT	Passive heatpipe cooling, absolutely no fan noise Perfect for noise-sensitive environments Fanless, dust-free and thus virtually maintenance-free
24/7 NONSTOP OPERATION	This device is approved for 24/7 permanent operation. Requirements: - Free circulation of air amongst the PC must be guaranteed. - If a SSD is installed, this must also be approved for permanent operation by its manufacturer.
IP65 PROTECTED	The front panel is protected from dust and jets of water according to protection class IP65.
CHASSIS	Anti-bacterial coating based on an inorganic zinc compound (front panel) and epoxy/polyester resin (rear chassis) Robust chassis with cover for the I/O connectors Rear/cable cover and middle frame are all made of Aluminium Rear cover chassis thickness: 3.0 mm Color: White Dimensions: 543 x 334 x 49.9 mm (W x H x D) Net weight: 7.6 kg 100x100 mm VESA mountable, 4x M4x6L screws required) VESA mount and stand are not included in the scope of delivery. Shuttle recommends the optional Shuttle Stand POV21.
OPERATING SYSTEM	This system comes without operating system. It is compatible with: - Windows 10 (64-bit) - Windows 11 (64-bit) - Linux (64-bit)
TOUCHSCREEN	Touchscreen function supports fingertip input Projected capacitive touch panel with 10-point multi-touch and antibacterial coating Supports input with gloves (PVC, cotton, cotton/linen) Stylus pen not supported
DISPLAY (54.6 CM / 21.5")	54.6 cm / 21.5" LC display Type: a-Si TFT-LCD, VA mode Ratio: 16:9 wide-screen panel Native resolution: 1920 x 1080 = 2 Megapixel (Full HD / 1080p) Viewing angle (left/right/up/down): 89° Brightness: 500 cd/sqm or nits (typ.) Contrast: 1000:1 (typ.) Viewing Angle: 89°/89°/89°/89° (typ.) Response time: 22 ms (typ.)
PROCESSOR	Model: Intel Core i5-1335U Code name: Raptor Lake-U (13th generation Intel Core) Performance-cores (P-Cores): 2 cores (4 threads), Basic/Turbo clock: 1.3-4.6 GHz Efficient-cores (E-Cores): 8 cores (8 threads), Basic/Turbo clock: 0.9-3.4 GHz Smart-Cache (L3): 12 MB Base Power (PL1 TDP): max. 15 W Maximum Tjunction Temperature: 100 °C System-on-a-chip architecture (SoC) with integrated memory and graphics controller FCBGA1744 package - directly soldered onto the mainboard Lithography: Intel 7 process (10 nm Enhanced SuperFin)
INTEGRATED GRAPHICS	Intel® Iris® Xe Graphics GPU clock frequency: max. 1250 MHz Execution Units (EUs): 80 Supports up to three independent displays via the built-in Full HD display (supports 1080p/60) and two external displays, which can be connected via the two HDMI 2.0b ports (supporting 1080p/60 and 2160p/60).
UEFI BIOS	Supports resume after power failure Supports Wake on LAN (WOL) Supports Power on by RTC Alarm Supports boot from M.2 SSD cards and USB devices AMI BIOS in EEPROM with SPI interface Supports hardware monitoring and Watchdog function Supports Unified Extensible Firmware Interface (UEFI)
TPM MODULE	Hardware Trusted Platform Module (Infineon SLB9670VQ2 TPM 2.0)

BUTTON CELL BATTERY	The product contains a built-in 3V button cell battery For further information see footnote [1]
POWER ADAPTER	External 90 W power adapter (fanless) Model FSP090-RBBM1 Medical Safety IEC 60601-1, Meet EN55011 and FCC Class B Input: 90~264 V AC, 50/60 Hz Output: 19 V DC, 4.74 A, max. 90 W DC Connector: 5.5/2.5 mm (outer/inner diameter) AC mains cable: 3 pins, with C5/C6 coupler (called "Mickey Mouse" or "Clover-leaf") for the power adapter and CEE-7/7 plug with earth-contact (type E+F) for the power outlet DOE Energy Efficiency Level VI No Load Power Consumption ≤ 0.21W Dimensions: 140 x 71 x 22 mm
DC INPUT CONNECTOR	DC Input Connector: 5.5 / 2.5 mm (outer/inner diameter) The DC-input of the computer supports an external power source with 19V ± 5%.
WIDE DC-IN RANGE (OPTIONAL)	The DC input voltage range can optionally be extended to support 9-36 V. For this purpose, an accessory item must be purchased separately.
MEMORY SUPPORT	2x SO-DIMM slot with 262 pins Supports DDR5-5200 (PC5-41600) SDRAM at 1.1 V Supports Dual Channel mode Supports a maximum of 32 GB per DIMM, maximum total size: 64 GB
2.5″ BAY SUPPORTS SSDS	Supports one SATA SSD drive in 6.35 cm / 2.5" format and up to 7 mm in height The SATA 3.0 interface supports up to 600 MB/s of data transfer speed (6 Gbit/s) The drive can quickly be installed via the swappable drive tray. No Hot-Swap capability (exchanging during a running operation)
M.2 SLOT FOR SSDS	The M.2 2280 M slot provides the following interfaces: - PCI-Express Gen. 4.0 X4 - SATA v3.0 (max. 6 Gbps) It supports M.2 SSD cards with a width of 22 mm and a length of 80 or 42 mm (type 2280 or 2242). Supports M.2 SATA SSDs (with B+M key) and M.2 PCIe NVMe SSDs (with M key) with auto interface detect
WEBCAM	Integrated Full-HD 2.0 Megapixel (1920 x 1080) camera
AUDIO & SPEAKERS	Audio Realtek® ALC888S High-Definition Audio Two analog audio connectors (3.5 mm) on the back panel: 1) 2 channel line out (headphones) 2) microphone input Digital multi-channel audio output: via HDMI Two built-in speakers (2x 2W Stereo)
DUAL 2.5G LAN	Dual network with RJ45 ports and Intel i226 network chips (black connector: Intel i226V, yellow connector: Intel i226LM) Supports 10 / 100 / 1000 / 2500 MBit/s operation Supports WAKE ON LAN (WOL) Supports network boot by Preboot eXecution Environment (PXE)
WIRELESS NETWORK (WLAN)	Built-in M.2-2230-E WLAN card with two internal antennas (external antennas available on request) WLAN Controller Realtek RTL8821CE Supports WiFi IEEE 802.11b/g/n/ac in the 2.4 / 5 GHz band, 1T1R Supports 20 / 40 / 80 MHz channel bandwidth Security: supports WPA(-PSK), WPA2(-PSK), WEP 64/128 bit, IEEE 802.11x, IEEE 802.11i Supports Bluetooth 4.2 in the 2.4 GHz band

BACK PANEL CONNECTORS	Power Button and Easy Rocker Switch 2x HDMI 2.0b (digital video+audio) 4x USB 3.2 Gen 2 Type A (max. 10 Gbps) 4x USB 2.0 Type A 2x Intel 2.5G LAN (RJ45, Intel i226V and i226LM) 2x Serial Port DB9/D-sub (RS232) Microphone input (3.5 mm) Audio Line-out / Headphones (3.5 mm) DC-input connector for external power adapter (19V / 90W) Potential Equalization Pin (POAG) according to DIN 42801 - the POAG cable is included
OTHER CONNECTION OPTIONS	The backpanel has three sections, which can be assigned with other connections. This requires a modification of the metallic back panel shield. Available ports: HDMI, DisplayPort, DVI-I, VGA, Quad USB 2.0, COM.
OPTIONAL ACCESSORIES	**- Robust VESA Stand POV21 White:** supports one or two Panel-PCs or Displays with 75x75 or 100x100 mm VESA (max. 21.5" display size and 20 kg total weight). **- Wide Voltage Range V0L01:** supports DC-Input 9-36 V DC (instead of 19V only)
ENVIRONMENTAL SPECIFICATIONS	Operating temperature: 0 ~ 40 °C Storage temperature: -20 ~ 60 °C Permitted relative humidity: 20 ~ 80 % (non-condensing)
CONFORMITY AND CERTIFICATIONS	EMI: CE Class B, FCC Class B Safety: CB, cTUVus RF: RED (EU) Medical certificates: cTUVus (ANSI/AAMI ES60601-1:2005/(R)2012), CB (IEC/ EN 60601-1: 2005+A1: 2012), CE (EN 60601-1-2:2015, Class B), IEC 60601-1-2: 2015, FCC Part 18 (CISPR 11, Class B) This device is classed as a technical information equipment (ITE) in class B. The CE-mark approves the conformity by the EU directives: (1) 2014/30/EU relating to electromagnetic compatibility (EMC), (2) 2014/35/EU relating to Electrical Equipment designed for use within certain voltage limits (LVD), (3) 2009/125/EC relating to eco design requirements for energy-related products (ErP) (4) 2014/53/EU Radio Equipment Directive (RED)

[1] Button Cell Battery

- Purpose:
  The built-in button cell battery on the mainboard supplies the CMOS memory and the Real-Time Clock (RTC) with power so that certain settings are retained and the internal clock continues to run – even if the PC is completely switched off or disconnected from the power supply.
- Specification:
  Model: Lixing KTS CR2032 with cable and connector (Molex 51021-8602, 2-pin, 1.25 mm pitch)
  Type: Lithium metal battery, non-rechargeable, transport identification: UN 3091 (battery is built-in)
  Nominal voltage: 3.0V, nominal capacity: 220 mAh (0.66 Wh)
  Dimensions: 20 mm diameter, 3.2 mm thickness
  Weight: 3.2 g, of which 0.063 g lithium (2.1%)
  Manufacturer: Wuhan Lixing (Torch) Power Sources Co, Ltd, Address: No. 7 Plot, Guandong, Science and Technology Industrial Park, East Lake Development Zone, Wuhan, Hubei, China
- Certificates:
  Material Safety Data Sheet (MSDS), UN38.3 test report, ISO 9001 of the manufacturer, EU DoC
  Download here: https://go.shuttle.eu/Py1Jn
- Replace the battery:
  If the PC issues error messages about the clock or CMOS when starting up, the system's CMOS battery probably needs to be replaced. Use a model with the same technical characteristics as a replacement battery or contact our technical support at support@shuttle.eu.
  The replacement of a CMOS battery may only be carried out by qualified specialist personnel. Improper handling can lead to damage to the mainboard, loss of data or electrical risks. Disconnect the device from the power supply before opening it. Make sure that you do not injure yourself on the sharp metal edges inside the computer. Open the device according to the Quick Installation Guide supplied. Find the battery and pull on the connecting cable so that the plug comes off the mainboard (see photo below). Before pulling out, pay attention to the polarity based on the cable colours (red and black). Carefully remove the old battery, which is stuck on with an adhesive pad. With the new battery, remove the protective film from the adhesive pad and stick the battery in the same position, connect the cable and reassemble the PC. When switching on for the first time, press the "DEL" key, load the "Default Settings" in the BIOS and make any other necessary settings before saving the settings and exiting the BIOS setup.

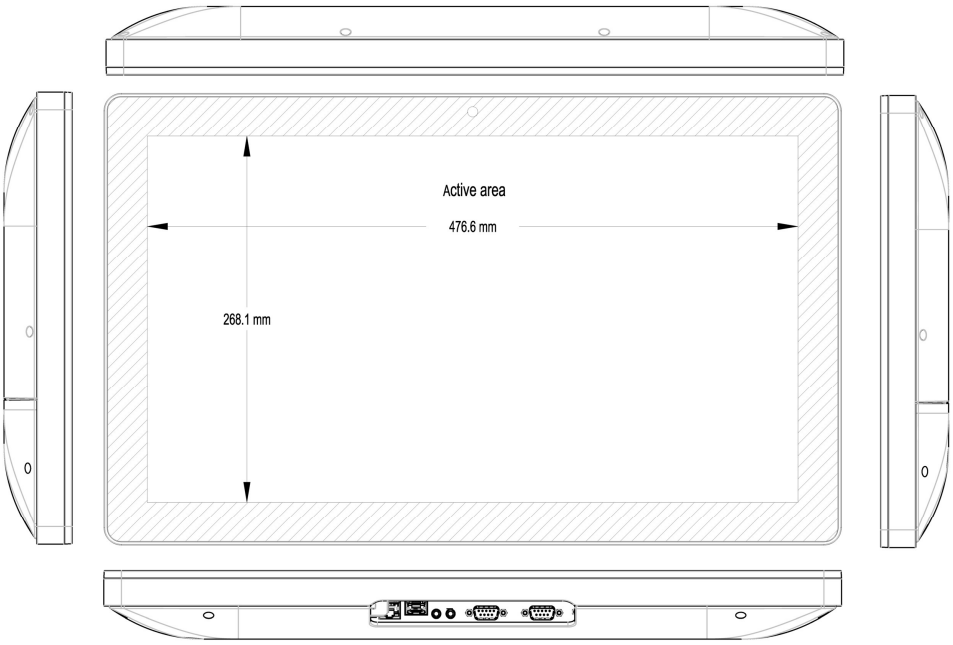


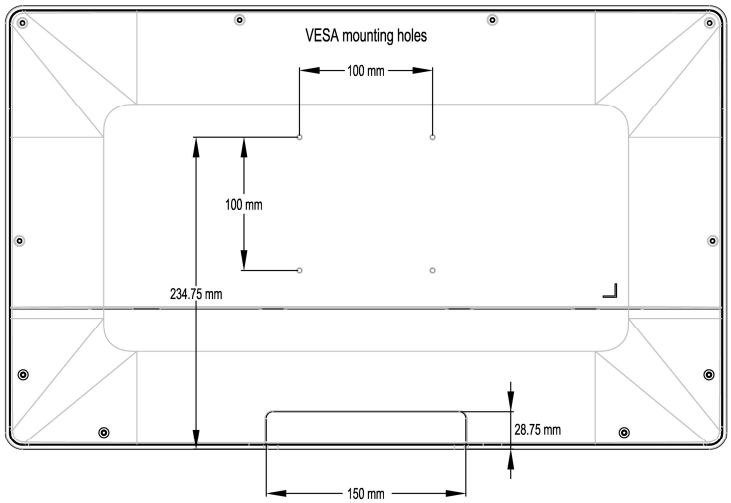
Photo: Position of the button cell battery
and the connector on the mainboard with the computer housing open.

- Disposal:
  Batteries are classified as hazardous waste and must be disposed of properly. Do not throw them in the household trash. Dispose of batteries at the designated collection points prescribed by law in your country, e.g. at the dealers' collection points.
- Safety instructions:
  This product contains a lithium button cell battery that can cause serious or fatal injury within 2 hours if swallowed. Not intended for children under the age of three.

SHUTTLE Panel PC M21AL11-i5 — TECHNICAL DRAWING

Overall dimensions: 543 x 334 x 49.9 mm (WHD)





Cable output area

VESA mount and stand are not included in the scope of delivery.

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