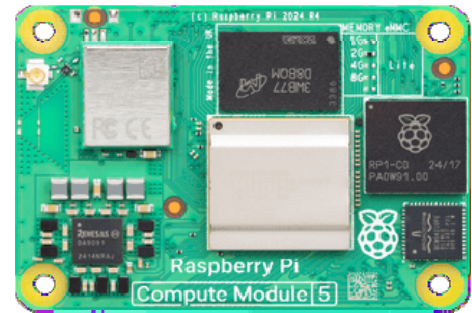


## Linux Touch Panel With Raspberry Pi Compute Module 5

Leverage Raspberry Pi 5's powerful hardware & efficient software stack in YOUR own system



Compute Module 5 is a powerful and scalable system on module with a 64-bit Arm processor @ 2.4GHz, an I/O controller, video and PCIe interfaces, and a range of wireless, SDRAM and eMMC options. Developers can leverage its efficient software stack in their own embedded systems, with our I/O extension board and expertise in LCD screen & touch panel, they can quickly have their ready to ship smart hardware, manageable, scalable and fully under their own control.

> **Industrial Application Friendly, support wide temperature working conditions: -20°C to +85°C;**

> **Efficient Raspberry PI software Stack & community ecosystem resources.**

> **Flexibility in I/O extension with wide range hardware options for different projects;**

### Video Codec & Playable Formats

4Kp60 HEVC decoder  
OpenGL ES 3.1 graphics, Vulkan 1.2  
1 × SDIO 2.0 (CM5 Lite)

MPEG-1 Video  
MPEG-2 Video MP@HL  
MPEG-4 Video DVIX  
H.264;  
H.265 /Hevc

### LCD Panel Information

Screen size : 10.1" (Diagonal)  
Active area : 216.96(H) x 135.6(V)  
Max. Resolution : 1280 (H) x 800 (V)  
Brightness : 350 cd/m<sup>2</sup>  
Contrast ratio : 1000 : 1  
Viewing angle : 89/89/89/89(L/R/U/D)  
Aspect Ratio: 16:10

### O/S

Raspberry PI OS;  
Ubuntu;

### Wireless connectivity

2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless  
Bluetooth 5.0, BLE

### Storage

On-board Nand flash and Micro SD Card

### Processor & Configuration

**Processor:** Broadcom BCM2712 quad-core 64-bit Arm Cortex-A76 (ArmV8) SoC @ 2.4GHz;

**Memory Options:** 2GB, 4GB, 8GB, or 16GB LPDDR4-4267 SDRAM with ECC; 0GB, 16GB, 32GB or 64GB eMMC flash

### Interface

>2x USB 2.0 ;  
>Phoenix GPIO (4-pin bi-directional terminal block) ;  
>Micro SD Card Slot x1 ;  
>HDMI Out 2.0 x1;  
>USB 3.0 Type-C x1 ;  
>Ethernet 1000M /100M RJ45x1 ;  
>DC 5.5/2.1 12V Power In ;  
>Optional: Power over Ethernet  
> Reset button x1;

### Audio

>2x Stereo 3W Internal Speakers  
>3.5mm Audio Out (Analog and Digital)

### Working Conditions

**Operating Temperature:** -20°C to +85°C  
**Relative Humidity :** 5% – 95% (Non-Condensing)

**MTBF Ground Benign:**143 000 hours

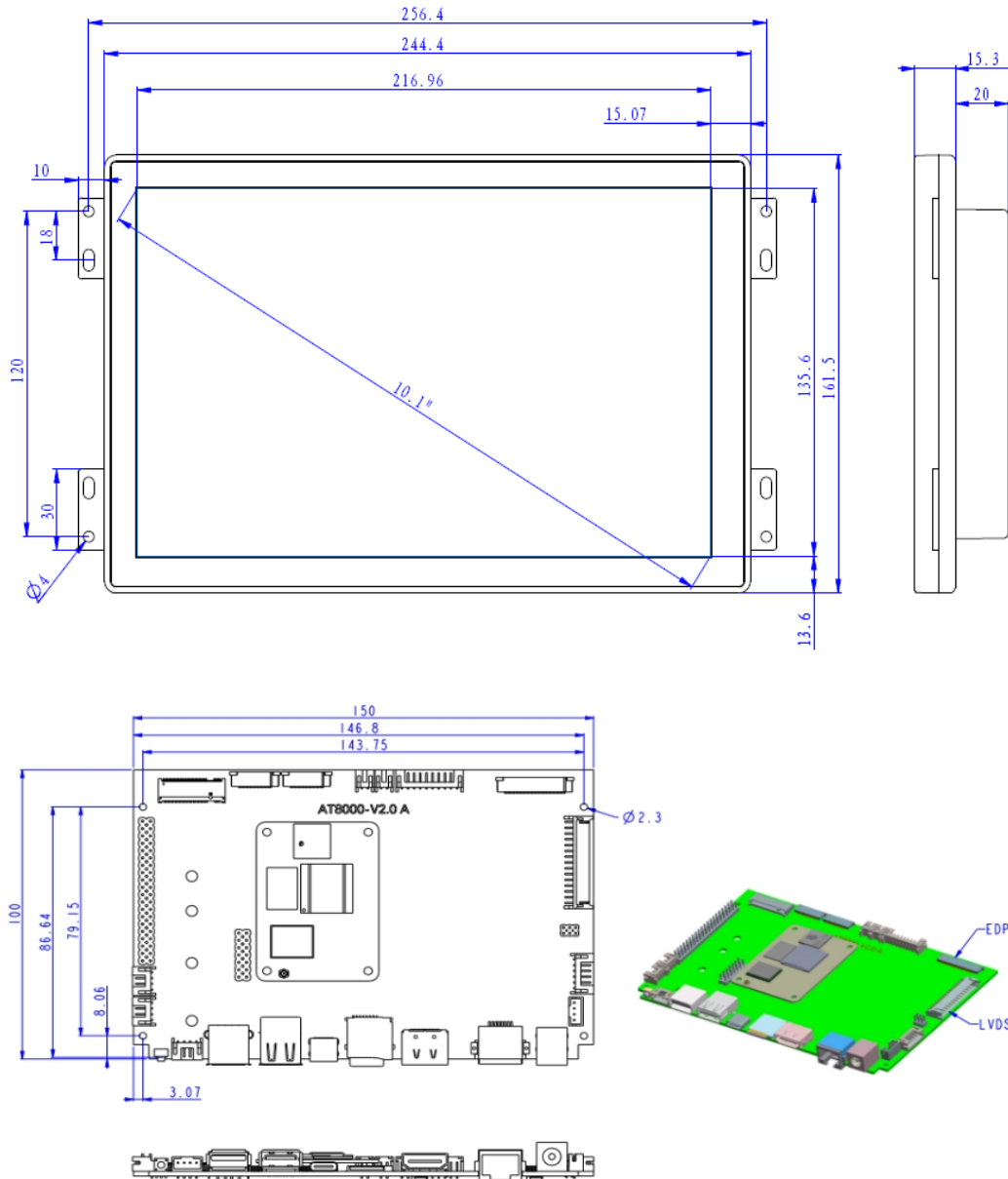
### Shipping Info

**W x D x H :** 260x180x38.4mm  
**Weight:** 0.8Kgs / HS code :85219090

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### Mechanical Drawings



### Ordering Options:

Player Console: Linux Touch Panel

AC Adatper: 12V /1A