

# INDUSTRIAL FANLESS PANEL PC

10.1" WSVGA Fanless HMI Barebone with ARM Cortex A72(4C)  
 4GB DDR4 RAM, 16GB eMMC, Projected Capacitive Touch  
 24DC input, without Power Adapter, plastic chassis.  
 AC100~240V/DC24V 1.25A/30W/EA1024K1-240



**MODEL: APCW10A7-UL-P-V3**

## FEATURES:

- Fanless ARM-Based HMI with a 10.1" Display
- Designed to Withstand Industrial Environments
- Flat Front Panel Design
- Equipped with Powerful Quad-Core ARM Cortex-A72 Processors
- Includes 4GB Onboard LPDDR4 Memory
- Features 16GB Onboard eMMC Flash Storage
- Supports DC 24V Power Input with 3kV Power Isolation



## SPECIFICATION:

SYSTEM	
CPU	Broadcom BCM2711, ARM Cortex-A72 (4x Cores, up to 1.5GHz)
Memory	Onboard DDR4 4GB SDRAM
System Chipset	NA
IO Port	
USB	2 x USB 2.0 type A 1 x USB Download Mode, Micro USB
Serial/Parallel	1 x 2 x 5pin External Terminal Block with 2 x COM 1 x RS232(TX, RX, RTS, CTS) / 485 1 x RS232(TX, RX, RTS, CTS)
LAN	1 x GbE LAN, RJ45
Wi-Fi+Bluetooth (optional)	Onboard Wi-Fi/ Bluetooth module • 2.4 GHz, 5.0 GHz IEEE 802.11 b/g/n/ac wireless • Bluetooth 5.0, BLE.
Storage Space	
Storage	16GB eMMC Flash
Expansion	
Expansion Slot	1 x Half / Full-size mPCIe slot with micro SIM slot
Expansion Daughter Boards	Support TB-508 series expansion boards

Display	
Display Type	10.1" TFT-LCD
Max. Resolution	1280x800
Max. Color	16.7M
Luminance (cd/m <sup>2</sup> )	350
View Angle	170(H) /170(V)
Contrast	800:1
Backlight Lifetime	30,000 hrs

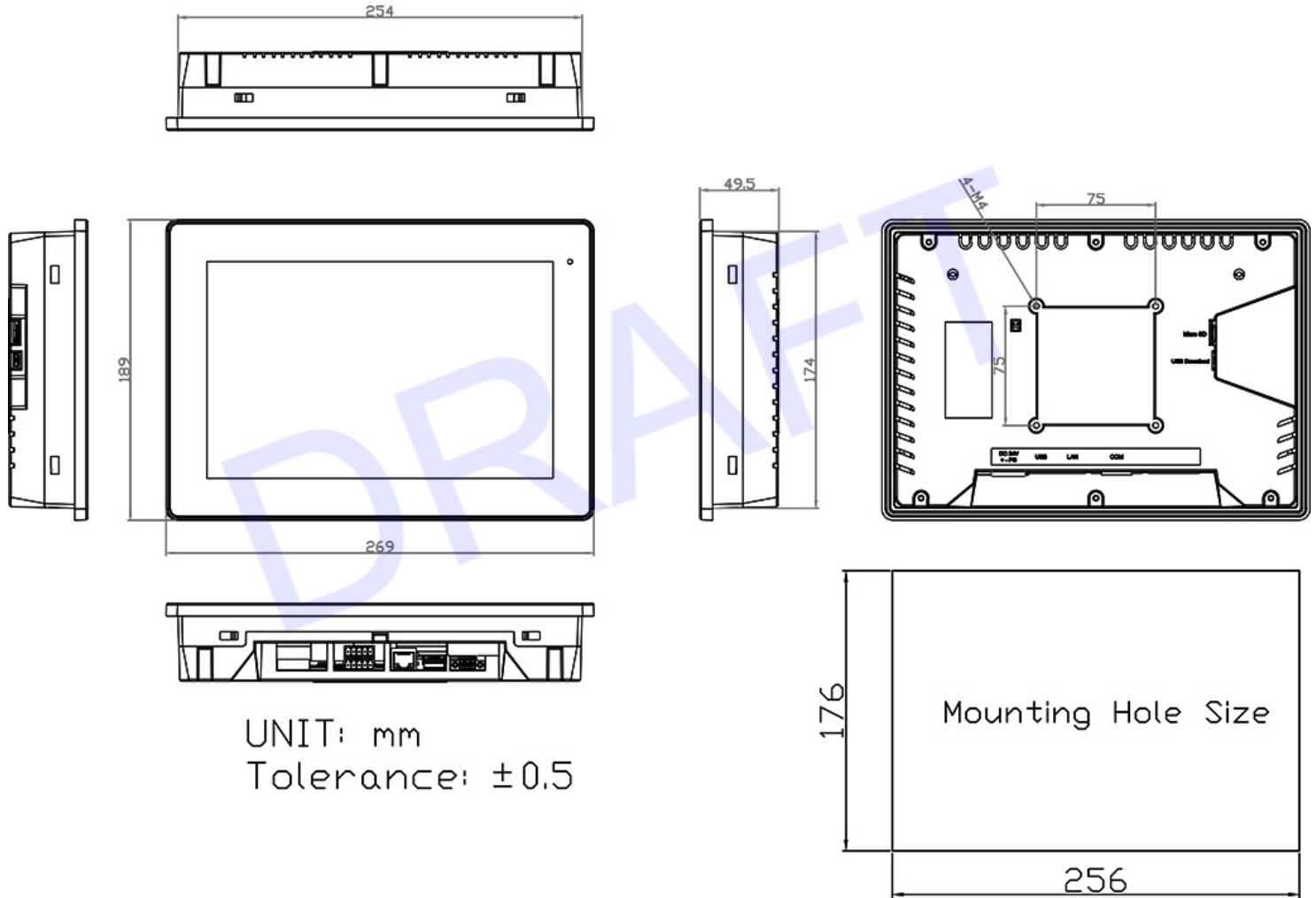
Operating System Support	
Android 10 (Default) / Yocto Linux	

*\*Specifications subject to change without notice, not responsible for typographical errors.*

TOUCHSCREEN	
Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	85%
POWER SUPPLY	
Power Input	DC 24V
Power Isolation	3kV
Power Consumption	TBD
MECHANICAL	
Construction	Industrial Plastic Chassis
IP Rating	IP65 compliant front bezel
Mounting	Panel Mount, VESA 75 x 75
Dimension	269 x 189 x 49.5 mm
Net Weight	TBD
ENVIRONMENTAL	
Operating Temperature	0~50°C/ -20~60°C (option)
Storage Temperature	-30~70°C
Storage Humidity	10 to 95% @ 40°C, non- condensing
Certificate	CE/FCC Class A

**DIMENSION:**

*This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.*



UNIT: mm  
Tolerance:  $\pm 0.5$

Drawing No.: APCW10A7-UL-P-V3-01312024-V1