



# WLPM-V00 Series

# Modular Panel PC 15"/22"/24"



## Features

- AMD Ryzen CPU, V1605B, QC, 2GHz, 12-25W
- Modular Panel Size from 15"/22"/24"
- Fanless with Smart Thermal Control
- Front IP66 Waterproof and Dustproof, Panel Mount
- Full Flat Design with Resistive or P-cap Touch
- CE, FCC, VCCI Class B Certified
- Optional Expansion Slot PCIe x8

## Brief Introduction

The Modular Panel PC WLPM-V00 with CE/FCC/VCCI class B certified are designed to suit industrial modular solutions. Featuring in flexible panel modular which is combined WLPM box PC with panel size ranging from 15"/22"/24" to be easy installation, lower overall maintenance fee and scalable capability. WLPM modular panel PC designed with front IP66 water and dust proof that is convenient for factory operations easy to clean. Built with high performance computing power with customization capability, WLPM-V00 series could fully provide high speed data transfer benefits for various requirements; in addition, the housing is engineered to withstand extreme temperatures that make it best suit for versatile industrial automation, factory control, surveillance, smart kiosk, military, communication centers and so on.

## Specification

### Main System

- ◆ **CPU** AMD Ryzen CPU, V1605B, QC, 2GHz, 12-25W (w/SoC Chipset)
- ◆ **Graphic** AMD Radeon™ Vega 8 Graphics
- ◆ **Memory** Dual Channel DDR4 2400 MHz (V1605B/ V1202B), 32 GB
- ◆ **OS Support** Win 10

### I/O Ports

- ◆ **USB** 2 x USB 3.2 Gen II, 2 x USB 2.0
- ◆ **COM** 2 x RS232/RS422/RS485
- ◆ **LAN** 2 x RJ-45
- ◆ **Audio / Video** Line-out, and Mic-in / 3 x DP1.2a
- ◆ **Control Key** Rear Bottom: Power on/ off

### Storage & Expansion

- ◆ **Storage** 1 x 2.5" SATA SSD  
1 x M.2 M.Key 2242/2260/2280 PCIe x2 and SATA for SSD
- ◆ **Expansion** 1 x M.2 Key E 2230 w/ PCIe x1, share USB2.0 for Wireless  
1 x mini-PCIe for Full/Half w/ PCIe x1  
1 x PCIe x8 (25W max.)

### Environment & Mechanical

- ◆ **Cooling** Fanless
- ◆ **Temperature** Operation: 19V DC Input 0~50°C  
Storage: -20~60°C
- ◆ **Humidity** 10%~90%, non-condensing
- ◆ **IP & IK Rating** IP66 Front/ IK05
- ◆ **Housing** Front Bezel: Aluminum / Others: SECC
- ◆ **Mounting** Panel mount, VESA (75x75)

### Power

- ◆ **Power Input** DC19~28V
- ◆ **Power Adapter** 150W (PSU with PSE)

### Certification

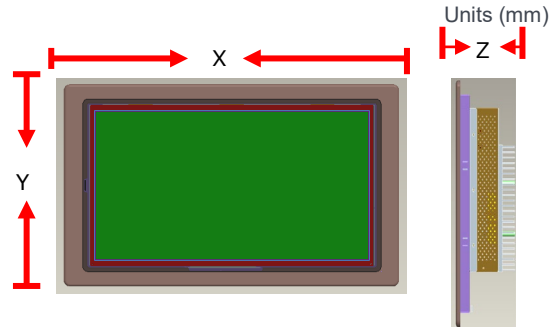
- ◆ CE, FCC, VCCI Class B Certified, Canada ICES-003

## Display Panel Modules

Panel Model		WLPMD-15	WLPMD-22	WLPMD-24
LCD Panel	Size / Aspect Ratio	15", 4:3	21.5", 16:9	23.8", 16:9
	Resolution	1024 x 768 (XGA)	1920 x 1080 (FHD)	1920 x 1080 (FHD)
	Max. Color	16.2M	16.7M	16.7M
	View Angle (H/V)	160 / 160	170 / 160	178 / 178
	Brightness (cd/m2)	350	250	250
	Contrast Ratio	800 : 1	1000 : 1	3000 : 1
Touch Panel	Type	Full Flat Resistive / Optional P-Cap		Full Flat P-cap
	Light Transmission	Full Flat R-Touch: 80±5% / P-Cap Touch: ≥86%		≥85%
	Hardness / Life Time	Full Flat R-Touch: ≥3H/35M P-Cap Touch: ≥7H/100M		≥7H / 100M

### Dimensions

Units (mm)	System Dimension		
	X	Y	Z
15" XGA	398	330	123.9
22" FHD	584.3	364.6	121.4
24" FHD	653.7	412	121.3



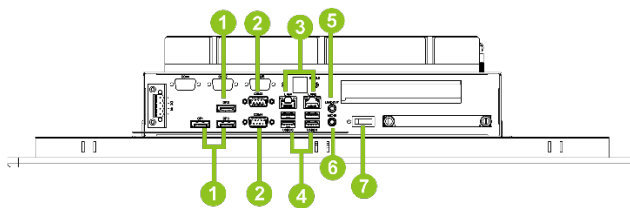
### Major Options

Add On Parts	<ol style="list-style-type: none"> <li>1. Wireless and BT kit (2 ant)</li> <li>2. Projected capacitive touch screen</li> <li>3. Stainless front bezel</li> <li>4. Silver front bezel</li> <li>5. TPM 2.0</li> <li>6. Windows 10(2019-LTSC) (64bit) value</li> <li>7. Chassis type housing</li> <li>8. Open frame housing</li> <li>9. Cable tie bracket</li> <li>10. USB 2.0 X 2(By Cable)</li> <li>11. PCIe Riser Card (X8)</li> <li>12. RS232 x 3(By Cable)</li> </ol>
Customization	<ol style="list-style-type: none"> <li>1. 2.5" HDD</li> <li>2. 2nd 2.5" SSD</li> </ol>

### Order Information

Item	Touch	Description
WLPM-V15-MBKFT	Full Flat Resis. touch	15" V1605B, QC, 2GHz/ 4G RAM/ 128G SSD/ Panel mount
WLPM-V22-MBKFT	Full Flat Resis. touch	21.5" V1605B, QC, 2GHz/ 4G RAM/ 128G SSD/ Panel mount
WLPM-V24-MBKPT	Full Flat P-cap. touch	23.8" V1605B, QC, 2GHz/ 4G RAM/ 128G SSD/ Panel mount

### I/O Ports



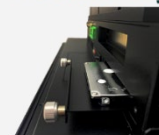
- 1 DP1.2a x 3
- 2 COM x 2
- 3 LAN x 2
- 4 USB 3.2 Gen II x 2  
USB 2.0 x 2
- 5 Line-out
- 6 Micro-in
- 7 On / Off

#### Min. Ventilation Grille



Avoide Dust for Long Time Usage

#### Accessible 2.5" HDD/SSD bay



Easy to Replace and Get to the 2.5" Storage