



W12IM3S-PPB1 12.3" ARM A53 PP Series HMI Panel PC

Manufacturer part number: W12IM3S-PPB1 | HMI (P-CAP Touch)



Explore Winmate W12IM3S-PPB1, an HMI panel PC featuring 12.3-inch display with 1920x720 resolution, IP65 for machine control and factory automation.

Display	
Touch / Glass	Projected Capacitive Multi Touch Screen
Size	12.3 inches
Resolution	1920x720
Panel Brightness	1000.0 nits
Contrast Ratio	1000:1
View Angles	88,88,88,88
Active Area	292.92x110.22 mm
System Specification	
Processor	ARM A53 (Quad Core 2.0GHz)
Memory	4GB LPDDR4
Storage	eMMC: Onboard 32 GB
Operating System	Android 11 (Upgradeable to Android 13) (Default), Linux Yocto 5.15.47 with QT 5.15 (Optional), Linux Ubuntu Server 22.04 (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
Mechanical	
Dimension	334.3 x 155.8 x 57 mm
Cut out	312x140mm
Mounting	Panel mount, VESA mount
Enclosure	Metal Housing
Cooling System	Fanless Design
IO Ports	
USB Port	2 x USB 2.0 Type A , 1 x Micro USB 2.0 OTG
Serial Port	1 x RS232/422/485 (Default RS232)
LAN	1 x LAN 10/100/1000 Mbps
Video	1 x Micro HDMI Output (Optional)
Audio	2 x Speaker (Optional)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)

Environment	
Operating Humidity	10% to 90% RH, Non-Condensing
Operating Temperature	0 deg C to 50 deg C
Storage Temperature	-20 deg C to 60 deg C
Shock	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I
IP rating	Front IP65
Certification	
Certification	CE, FCC
Control	
Button	1 x Power Button (Optional)
Power	
Power Rating	12V DC with Terminal Block
Adapter	12V 50W
Accessory	
Accessory	100~240V AC to DC Adapter, Power Cord, VESA screws, Mounting clips