



R12IM3S-PCM2AC-POE 12.1" ARM A53 S Series HMI Panel PC

Manufacturer part number: R12IM3S-PCM2AC-POE | HMI (P-CAP Touch)



Explore Winmate R12IM3S-PCM2AC-POE, an HMI panel PC featuring 12.1-inch display with 1024x768 resolution, IP65 for machine control and factory automation.

Display	
Size	12.1 inches
Touch / Glass	Projected Capacitive Multi Touch Screen
Resolution	1024x768
Panel Brightness	500.0 nits
Contrast Ratio	1000:1
View Angles	89,89,89,89
Active Area	245.76x184.32 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)
RFID	HF RFID Reader 13.56 MHz (Optional)
Light Bar	Built-in RGB LED Status Light Bar, on both sides
Mechanical	
Dimension	296 x 227 x 46 mm
Cut out	282x207mm
Weight	3.4 kg
Mounting	VESA Mount
Enclosure	Metal Housing
Cooling System	Fanless Design
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
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
SD Card Slot	1 x Micro SD card slot (Max to 32GB)
Accessory	
Accessory	100~240V AC to DC Adapter, Power Cord, Terminal Block to 2.50 Female Adapter Cable, Open Wire Cable with terminal block connector, VESA screws
Power	
Power Rating	12V DC with Terminal Block (Default), 9~36V (Optional)
Adapter	12V 50W
POE	PoE (PD): follows IEEE 802.3at (25 W)