



R12MG3S-PCM2-POE 12.1" S Series HMI Panel PC with ARM A78 + A55 Processor

Manufacturer part number: R12MG3S-PCM2-POE | HMI (P-CAP Touch)



Explore Winmate R12MG3S-PCM2-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 2 x A78 2.0GHz + 4 x A55 2.0GHz
Memory	4GB LPDDR4
Storage	Onboard 32 GB
Operating System	Android 13 (Default), Linux Yocto 5.15.47 with QT 5.15 (Optional), Linux Ubuntu 22.04 (Optional)
WLAN	Support (Optional)
BT	Support (Optional)
RFID	HF RFID Reader 13.56 MHz (Optional)
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 USB 2.0 Type C (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
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), 24V (Optional), 9~36V (Optional)
Adapter	12V 50W