



W14IM3S-EHA1 14" ARM A53 E Series HMI Panel PC

Manufacturer part number: W14IM3S-EHA1 | HMI (P-CAP Touch)



Explore Winmate W14IM3S-EHA1, an HMI panel PC featuring 14-inch display with 1920x1080 resolution, IP65 for machine control and factory automation.

Display	
Touch / Glass	Projected Capacitive Multi Touch Screen
Size	14.0 inches
Resolution	1920x1080
Panel Brightness	700.0 nits
Contrast Ratio	1200:1
View Angles	89,89,89,89
Active Area	309.312x173.988 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)
Mechanical	
Dimension	340 x 220 x 62.7 mm
Cut out	318.6 x 198.6 mm
Weight	2 kg
Mounting	Panel mount, VESA mount
Enclosure	Metal Housing & ABS+PC
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 (Default), PoE(PD, 802.3at) (Optional)
Video	1 x Micro HDMI Output (Optional)
SD Card Slot	1 x Micro SD card slot (Max to 32GB)
Accessory	
Accessory	100~240V AC to DC Adapter, Power Cord, VESA screws, Mounting clips
Power	
Power Rating	12V DC with Terminal Block
Adapter	12V 50W