

MAS Series 

MAS1224



12.2" Automation Rugged Windows Mobile Tablet PC



- 12.2" 1920 x 1200 FHD Windows System with Intel® 12th Gen. Core™ Processor
- 10 points, Capacitive Multi-Touch Screen
- Hot Swappable Dual Battery Design
- Advanced Wireless Solution Support 4G/LTE, WiFi 6, BT 5.2 and GPS
- Multiple Touch Modes Support Glove Touch
- IP65 Waterproof and Dustproof Resistance and MIL-STD-810H Compliant



Instrument
Testing



Industrial Operating
System



Logistics
Operation



Warehouse
Optimization



Inventory
Checking

Specification

MAS1224

Display

Display Type	12.2" IPS LCD
Resolution	1920 x 1200 FHD
Brightness	650 nits
Touch Panel	10 Points, Capacitive Multi-Touch Screen G+G, Hardness over 7H, Scratch Resistant, Support Glove Touch

System

CPU	Intel® Core™ i5-1235U (12th Gen) Processor (12MB Cache, up to 4.4 GHz, 2P+8E cores)
GPU	Intel® Iris® Xe Graphics eligible
Memory	DDR4L-16G
Storage	128GB SSD
Operating System	Windows 11
Security	Trusted Platform Module (TPM 2.0)
I/O Ports	USB 3.1 Type-A x1 USB 3.0 Type-C x1 (Full Function Support) TF Card x1 Max: 128GB mini HDMI (HDMI2.1a) x1 5.5mm DC Jack x1 Docking Connector (12-pin Pogo) x1 3.5mm Standard Earjack x1 SIM card slot x1
Expansion Interface	RJ45 Gigabit Ethernet Port x1/RS232 x1/USB2.0 x1 /Barcode Sanner Module x1 (Choose 1)
WiFi	Wi-Fi 6 802.11a,b,d,e,g,h,i,k,n,r,u,v,w,ac,ax Dual frequency 2.4G+5.8G WIFI
Bluetooth	Bluetooth® 5.1 Class1 Transmitted Distance : 10m
4G/5G	4G LTE (Optional 5G)
GPS	GNSS Module (uBlox M7N) Support GPS
Data Collection	NFC Module Fingerprint Module Barcode Scanner Module (Optional)

Physical

Camera	Front 5.0MP Rear 8.0MP
Audio	1W Speaker x1 Microphone x1
Color	Gray
Dimension	340.15 mm (L) × 231.23 mm (W) × 26.19 mm (H)
Weight	1.5 kg
Buttons	Power x1 Volume Key + x1 Volume Key - x1 Windows Home x1 F Key x1 (Barcode Scanning, Customizable without barcode)
Sensors	G-Sensor
Fan	IPX5 Fan x1
Main Battery	Removable Li-polyment Battery 7.4V/5000mAh 6h (50% Volume Sounds, 50% Screen Brightness, 1080P HD Video Display by Default)
Sub Battery	Build in Lithium-Ion Polymer Battery, Non-Removable 7.4V/860 mAh
Power Adapter	AC adapter : AC100V ~ 240V, 19V 3.42A/65W Output
Standard Accessory	19V-3.42A, DC interface Power Adapter x1 Hand-Strap x1
Optional Accessory	Removable Battery Power Adapter Docking Station Mounting Holder

Packing List

Accessories	19V-3.42A, DC interface Power Adapter x1
Product Dimension	340.15 mm (L) × 231.23 mm (W) × 26.19 mm (H)
Product Weight	1.5 kg
Box Dimension	TBD
Box Weight	TBD

Environment

IP Rating	IP65
Drop Test	1.2m Drop Resistance
Certification	CE,FCC,CCC / MIL-STD-810H
Operating Temperature	-20 °C to 60 °C
Storage Temperature	-30 °C to 70 °C
Relative Humidity	95% Non-Condensing
Warranty	2 Years

Overview

Unit : mm

