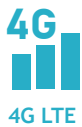


# MAS Series

# MAS1107



## 10.95" Automation Rugged Windows Mobile Tablet PC



- 10.95" 1920 x 1200 FHD Windows System with Intel® 12th Gen. Core™ Processor
- 10-point Touch Screen supports Touch Screen with Wet Hands and gloves
- Hot Swappable Dual Battery Design
- Advanced Wireless Solution Support 4G/LTE, WiFi 6, BT 5.2 and GNSS
- Integrated GigaLAN RJ45 Port and DB9 Serial Port
- IP67 Waterproof and Dustproof Resistance and MIL-801H Compliant



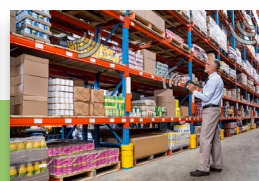
Instrument  
Testing



Industrial Operating  
System



Logistics  
Operation



Warehouse  
Optimization



Inventory  
Checking

## Specification

## MAS1107

## Display

|              |                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------|
| Display Type | 10.95" TFT LCD                                                                                           |
| Resolution   | 1920x1200                                                                                                |
| Brightness   | 550 nits                                                                                                 |
| Touch Panel  | 10-point touch G+FF, hardness $\geq 7H$ , supports touch screen with wet hands, Touch screen with gloves |

## System

|                  |                                                                                                                                                                                                                                                                                                                                                                    |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | Intel Core Alder Lake i5-1235U 10 cores, 12 threads, 1.3GHz-4.4GHz<br>Intel Core Alder Lake i7-1255U 10 cores, 12 threads, 1.7GHz-4.7GHz (Optional)                                                                                                                                                                                                                |
| GPU              | Intel® Iris® Xe Graphics eligible                                                                                                                                                                                                                                                                                                                                  |
| Memory           | DDR5-4800 MT/s 16G , Up to 48GB(Optional)                                                                                                                                                                                                                                                                                                                          |
| Storage          | M.2 SSD 256GB, Up to 2TB(Optional)                                                                                                                                                                                                                                                                                                                                 |
| Operating System | Windows 10 , Windows 11 , Ubuntu22.04.5                                                                                                                                                                                                                                                                                                                            |
| Security         | Trusted Platform Module (TPM 2.0) , Locker Hole                                                                                                                                                                                                                                                                                                                    |
| I/O Ports        | USB 3.0 Type-C x1<br>USB 3.0 Type-A x1<br>USB 2.0 Type-A x1<br>3.5mm Audio jack x1<br>RS232 serial port (optional 232/422/485 protocol) x1<br>TF Card (Maximum support 256GB expansion) x1<br>Standard Micro SIM card slot x1<br>RJ45 Gigabit Ethernet Port x 1<br>HDMI x 1<br>DC port 19V-3.42A (DC plug OD 5.5mm ID 2.1mm) x 1<br>POGO PIN 14Pin USB+charger x 1 |
| WiFi             | WIFI 6                                                                                                                                                                                                                                                                                                                                                             |
| Bluetooth        | Bluetooth® 5.2 Transmit Distance : 10m                                                                                                                                                                                                                                                                                                                             |
| 4G/5G            | 4G LTE (Optional 5G)                                                                                                                                                                                                                                                                                                                                               |
| GPS              | GPS 、Beidou, Galileo 、GLONASS                                                                                                                                                                                                                                                                                                                                      |
| Data Collection  | NFC Module (Optional)<br>Barcode Scanner Module (Optional)<br>Fingerprint Module (Optional)                                                                                                                                                                                                                                                                        |

## Physical

|                    |                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------|
| Camera             | Front Camera: 8.0MP Fixed Focus Camera<br>Rear Camera: 12.0MP Autofocus Camera with Flash                  |
| Audio              | Speaker 2W/4Ω x2<br>MICx1, waterproof rating                                                               |
| Color              | Black                                                                                                      |
| Dimension          | 307.5mm x 211.1mm x 44.2mm                                                                                 |
| Weight             | 1560g                                                                                                      |
| Buttons            | Power Button*1<br>Volume Keys*2, Vol+, Vol-<br>Custom Keys*2, P key, F key<br>Windows Button*1"            |
| LED                | Power, Battery, WIFI                                                                                       |
| Sensors            | Gravity sensor                                                                                             |
| Main Battery       | 11.4V 8300mah High-Voltage Lithium Battery, Removable, Battery Life $\geq 8h$ (1080P+50% Brightness)       |
| Sub Battery        | 11.4V 300mah High-Voltage Lithium Battery, Non-Removable, Battery Life $\geq 15MIN$ (1080P+50% Brightness) |
| Power Adapter      | 19V-3.42A, DC interface Power Adapter x1                                                                   |
| Standard Accessory | Hand-Strap x1<br>Stylus x1                                                                                 |
| Optional Accessory | Removable Battery<br>Power Adapter<br>Docking Station<br>Shoulder Strap                                    |

## Packing List

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Accessories       | 19V-3.42A, DC Interface Power Adapter x1<br>Hand-Strap x1 |
| Product Dimension | 300.5mm x 204.1mm x 23.3mm                                |
| Product Weight    | 1560g                                                     |

## Environment

|                       |                        |
|-----------------------|------------------------|
| IP Rating             | IP67                   |
| Drop Test             | 1.2m drop resistance   |
| Certification         | CE, FCC / 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

