

# MAS Series

# MAS0805



## 8" Automation Rugged Windows Mobile Tablet PC



- Intel® Alder Lake-N N100 Processor
- 8 inch Windows System
- 550 nits High Brightness Sunlight Readable
- Support 4G/LTE, WiFi, BT and GNSS
- Support 2D Barcode Scanner Module, NFC Module
- 1.22m drop resistant & MIL-STD-810H certified



Instrument  
Testing



Industrial Operating  
System



Logistics  
Operation



Warehouse  
Optimization



Inventory  
Checking

# Specification

## MAS0805

### Display

|              |                                                                                            |
|--------------|--------------------------------------------------------------------------------------------|
| Display Type | 8 inch IPS LCD                                                                             |
| Resolution   | 1920 x 1200                                                                                |
| Brightness   | 550 nits                                                                                   |
| Touch Panel  | 5-Point capacitive touch screen, Hardness Above 7H, Scratch-Resistant, Supports 930 Stylus |

### System

|                  |                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU              | Intel N100 Processor                                                                                                                                                                                                |
| GPU              | Intel® UHD Graphics                                                                                                                                                                                                 |
| Memory           | 8GB LPDDR5                                                                                                                                                                                                          |
| Storage          | 128GB eMMC                                                                                                                                                                                                          |
| Operating System | Windows 10 IoT Enterprise LTSC 2021/ Windows 11                                                                                                                                                                     |
| I/O Ports        | 1 x USB 3.0 Type-A x 1<br>1 x USB 3.0 Type-C x 1 (Data & Charging)<br>1 x SIM Card<br>1 x TF Card<br>1 x HDMI 2.0 Mini<br>1 x 12PIN Pogo Pin<br>1 x $\Phi$ 3.5mm standard earphone jack<br>1 x DC 12V 4A Power Port |
| WiFi             | WiFi6 802.11(a/b/g/n/ac/2/ax 1x1) frequency 2.4G + 5.8G Dual-band WIFI (Intel AX101)                                                                                                                                |
| 4G               | LTE FDD: B1/B3/B5/B7/B8/B20/B28<br>LTE-TDD B38/B40/B41                                                                                                                                                              |
| Bluetooth        | BT5.2                                                                                                                                                                                                               |
| GPS              | GPS+Glonass, (Optional GPS+Beidou)                                                                                                                                                                                  |
| Data Collection  | NFC Module<br>Barcode Scanner Module (Optional)                                                                                                                                                                     |

### Physical

|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Camera                  | Front 5.0MP ; Rear 8.0MP                                                                                                     |
| Speaker                 | 2 x 1W Waterproof Speaker                                                                                                    |
| Color                   | Caesious                                                                                                                     |
| Dimension (WxHxD)       | 236.7 x 155.7 x 20.8mm                                                                                                       |
| Weight                  | 818g                                                                                                                         |
| Buttons                 | 1 x Power<br>1x Volume + Key<br>1 x Volume - Key<br>1 x P1 Key (HOME Key)<br>1 x F Key (Barcode Scanning, Connected to GPIO) |
| Sensors                 | G-Sensor                                                                                                                     |
| Battery                 | Removable Polymer Lithium-ion Battery<br>7.6V/5000mAh                                                                        |
| Using Time              | 7 hrs (Default 22% Volume (70dB), Default 50% Volume Brightness (300nits), Play 1080P HD Video)                              |
| Power Adapter           | DC 12V 4A Adapter x1 (Male Plug Outer Diameter 5.5mm)                                                                        |
| Standard Accessory      | 1 x DC 12V 4A Adapter<br>1 x Hand-Strap                                                                                      |
| Packaging Box Dimension | 323 x 173 x 62mm                                                                                                             |
| Packaging Box Weight    | 1580g                                                                                                                        |

### Environment

|                       |                           |
|-----------------------|---------------------------|
| IP Rating             | IP65                      |
| Drop Test             | 1.22m 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



### Optional Accessory

