



IP 67

## Features:

- 8" WXGA (1280x800) 500 nits IPS LCD
- Intel® Celeron N5100 CPU, 1.1-2.8 GHz
- Optional Wifi 2.4G+5G, Bluetooth 5.0
- 8MP Rear Camera
- Optional 2D Barcode Scanner & NFC/RFID
- 5 and 10 points touch PCAP touch screen, Optional AG+AF
- Built-in 5000 mAh 7.6V battery
- IP67 Compliant, Drop 1.2m
- Ubuntu 20.06

## Specifications:

### System Hardware

|         |                                                     |               |                                                                                         |
|---------|-----------------------------------------------------|---------------|-----------------------------------------------------------------------------------------|
| CPU     | Intel® Jasper Lake Quad-core N5100<br>1.1GHz~2.8GHz | MIC           | Dual MIC                                                                                |
| Memory  | 8GB                                                 | Earpiece      | Waterproof earpiece                                                                     |
| Storage | 128GB                                               | Button        | Power button, Volume +/-,<br>1*Customize function key<br>1*Barcode scanner shortcut key |
| Camera  | 8MP rear camera with auto focus                     | LED Indicator | Charging indicator                                                                      |
| Speaker | Dual speaker, 1.2W/8Ω                               | Sensor        | Optional                                                                                |

### Display

|                 |                                                   |             |                                                                               |
|-----------------|---------------------------------------------------|-------------|-------------------------------------------------------------------------------|
| LCD Type        | 8" TFT-LCD                                        | Luminance   | 500 cd/m <sup>2</sup> , Optional 800 / 1000 cd/m <sup>2</sup>                 |
| Max. Resolution | 1280*800, Optional 1920*1200 800cd/m <sup>2</sup> | Touchscreen | 5-Points projected capacitive touch screen, up to 10-points<br>Optional AG+AF |
| Cover Glass     | Asahi Glass, hardness 6H, light transmittance 85% |             |                                                                               |

### OS

|    |              |
|----|--------------|
| OS | Ubuntu 20.06 |
|----|--------------|

### I/O Interface

|          |                                                     |               |                             |
|----------|-----------------------------------------------------|---------------|-----------------------------|
| POGO PIN | 1*POGO PIN(USB+Charging)                            | LAN           | Optional 1*RJ45             |
| USB      | 1*USB Type C(USB OTG+Charging)<br>1*USB 2.0, TYPE A | COM Port      | optional                    |
| Video    | 1*mini HD                                           | SIM Card Slot | 1*Micro SIM Card Slot       |
| Audio    | 3.5mm Headphone Jack                                | TF Card Slot  | 1*TF Card Slot, up to 256GB |
| DC Jack  | 1*DC Jack                                           | Aviation Plug | Optional Expansion 1*CAN    |

**Communication**

|      |                                      |                    |                                            |
|------|--------------------------------------|--------------------|--------------------------------------------|
| WWAN | Option: EC-25EC (Europe/Middle East/ | Optional WIFI      | 802.11a/b/g/n/ac, 2.4G+5.8G Dual-band WIFI |
|      | Africa/Korea/Thailand)               | Optional Bluetooth | Bluetooth 5.0 (BLE) class1, Transmission   |
|      | LTE FDD: B1/B3/B7/B8/B20/B28A        |                    | range: 10m                                 |
|      | WCDMA: B1/B8                         | Optional GNSS      | U-blox GPS+GLonass                         |
|      | GSM: B3/B8                           |                    |                                            |

**Extended Functions**

|      |                                       |                     |                                            |
|------|---------------------------------------|---------------------|--------------------------------------------|
| NFC  | 13.56MHz, support 14443A/14443B/15693 | ID Card Recognition | Optional ID card recognition module        |
| RFID | Optional RFID/HF RFID/UHF RFID        | Barcode Scanner     | Optional 1D/2D barcode scanner, 2 choose 1 |

**Power**

|             |                                    |              |                                                    |
|-------------|------------------------------------|--------------|----------------------------------------------------|
| Power Input | 12V DC Input, 12V/3A power adapter | Battery Life | 8 hours (Play 1080P video under LCD 50% backlight) |
| Battery     | 5000mAh, not removable 7.6V Li-Ion |              |                                                    |

**Environment**

|           |                                    |                 |              |
|-----------|------------------------------------|-----------------|--------------|
| Drop      | 1.2m free fall to the wooden floor | Operating Temp. | -20°C ~ 60°C |
| IP Rating | IP67                               | Storage Temp.   | -30°C ~ 70°C |

**Certificate**

|             |                              |
|-------------|------------------------------|
| Certificate | CE、ROHS、UN38.3、MSDS、IEC62133 |
|-------------|------------------------------|

**Mechanical**

|                       |                 |        |         |
|-----------------------|-----------------|--------|---------|
| Dimension (W x H x D) | 226*145*21.8 mm | Weight | 0.86 KG |
|                       |                 | Color  | Black   |

**Accessory**

|                    |                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------|
| Accessory          | Hand strap, 12V/3A power adapter                                                                  |
| Optional Accessory | Docking, Vehicle bracket, Vehicle charger, Passive touch pen, Type-C data cable, Type-C OTG cable |

**Product Six Views:**