

# Marshall 8 Plus Kit

Lightweight, Portable, and Field-Ready ID Registration Solution



The Aratek Marshall 8 Plus Kit is a lightweight, all-in-one biometric enrollment solution designed for on-the-go ID registration. Unlike bulky traditional setups, this backpack-based kit enables organizations to conduct identity registration efficiently, even in remote and challenging environments. At its core, the MOSIP-compliant Marshall 8 Plus biometric tablet integrates ID document verification via MRZ, barcode, and contact/contactless card reading with multi-modal biometric capture, including FBI-certified fingerprint scanning, facial scanning, and optional iris scanning—delivering a complete enrollment solution in a single device. Supporting the tablet are essential accessories, including a solar panel for off-grid use, a compact printer for instant documentation, a stylus pen for digital signatures, and protective accessories for durability. Designed for election commissions, government agencies, humanitarian organizations, and law enforcement, the Marshall 8 Plus Kit provides a seamless, field-ready solution for ID registration—anytime, anywhere.



#### Ultra-Portable Enrollment Kit

A lightweight, backpack-based kit designed for efficient ID registration anywhere.



#### Multi-Modal Biometric Capture

Supports fingerprint (FBI FAP 60), facial, and iris scanning for reliable biometric data enrollment.



#### Comprehensive ID Document Verification

Reads MRZ, barcode, contact, and contactless cards for accurate identity validation.



#### Extended Power for Remote Use

Solar panel support and a portable power bank ensure uninterrupted operation in remote locations.



#### Tough & Weather-Resistant

Built to withstand harsh environments with an IP65-rated tablet, waterproof backpack, and reinforced protective accessories.



#### Instant Documentation

A compact printer allows for real-time printing of registration slips and applicant records.



#### Seamless Connectivity

Supports 4G LTE, Wi-Fi, Bluetooth, GPS, and dual SIM slots for real-time data transmission.



#### User-Friendly Digital Interaction

A rechargeable stylus pen enhances efficiency for signature capture and data entry.



## Applications

- National ID
- Beneficial Programs
- Financial Services
- Border Control
- Voters Authentication
- SIM Card Activation
- Mobile Time & Attendance

## Specifications

### Biometrics

Fingerprint Scanner FBI Mobile ID FAP 60  
Aratek A910

Facial Recognition Support

Iris Recognition (Option) Dual Iris Capture

### Credential Reading

NFC ISO/IEC 14443 A/B

Contact Card Reader ISO7816 Class A, B and C  
(5V/3V/1.8V) card

Barcode Reader 1D, 2D, PDF417, QR code,  
Code 39,  
Code 128, DataMatrix, UPC-A,  
etc.

MRZ Reader Option

### Communications

3G/4G Support

Wi-Fi IEEE 802.11 a/b/g/n/ac

Bluetooth BT 5.0

GPS GPS + GLONASS + Galileo +  
Beidou

SIM Card Micro SIM Card\*2

PSAM Card PSAM Card\*1

USB USB Type-A\*1, Type-C\*1

### Basic

Operating System Android 13

Processor Octa (8) Core, 2.0GHz

Memory (RAM+ROM) 4G+64G,  
6G+128G or 8G+256G  
(Option)

Display 8-inch capacitive touch  
screen

Resolution 1280\*800 pixels IPS

Camera Front: 8MP FF  
Rear: 13MP AF + LED Flash

SD Card Micro SD card, up to 256G

Battery 10000mAh

Charger Input: 100-240V, 50/60hz,  
Output: 9V/2A  
Fast charging capability

Weight 1.3 kg

Dimension (W\*L\*H) 212.4\*265.5\*55.7 mm

Temperature and Humidity Operation: 0°C~50°C,  
10%~75%  
Storage: -20°C~60°C,  
5%~85%

Ingress Protection IP65

### Certification

Certification CE, FCC, RoHS



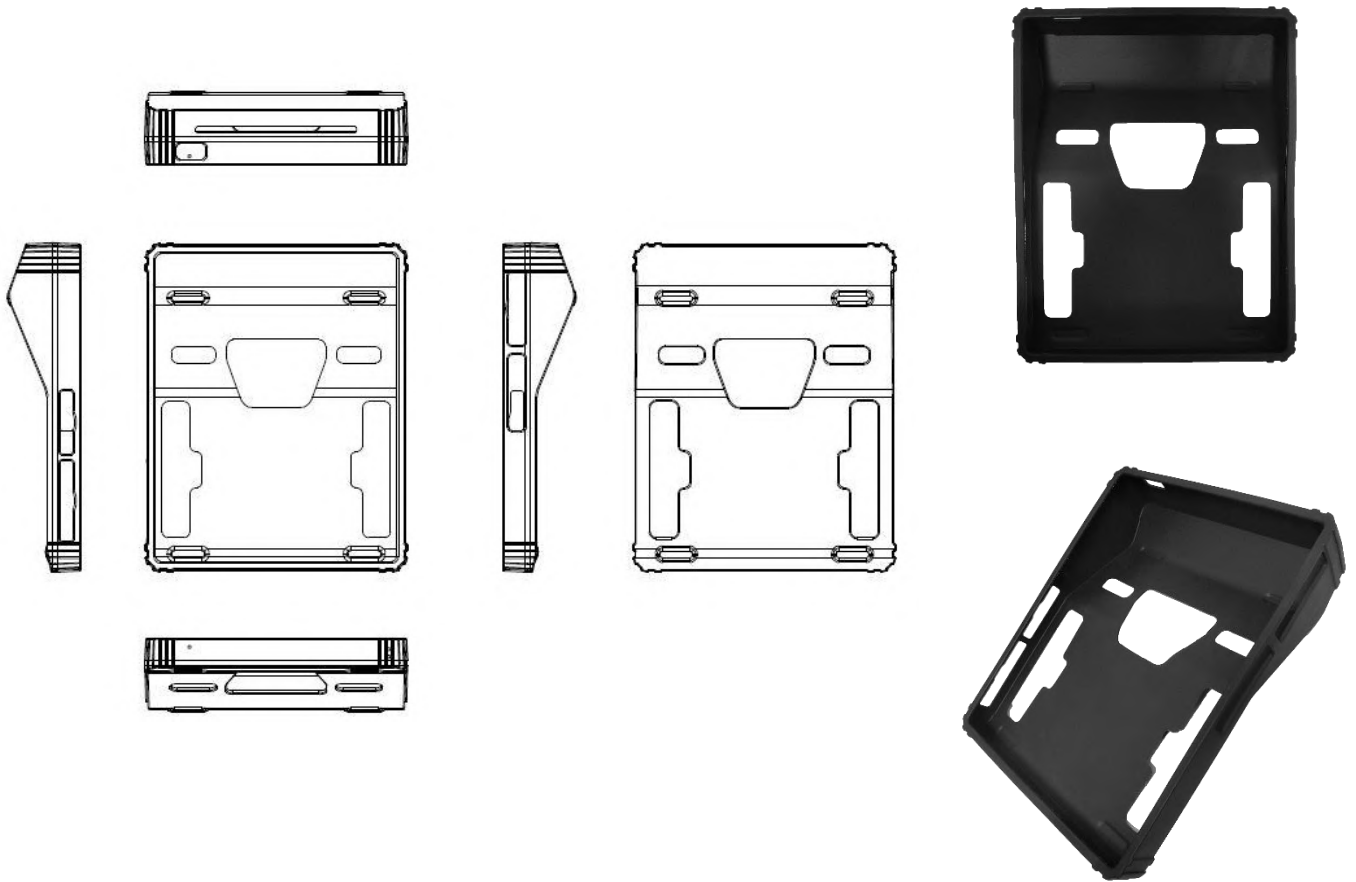
## Specifications

|                   |                |
|-------------------|----------------|
| Dimension (W*L*H) | 10~20*30*47 cm |
| Weight            | 1.429 kg       |
| Capacity          | 18-32 L        |
| Material          | PC             |



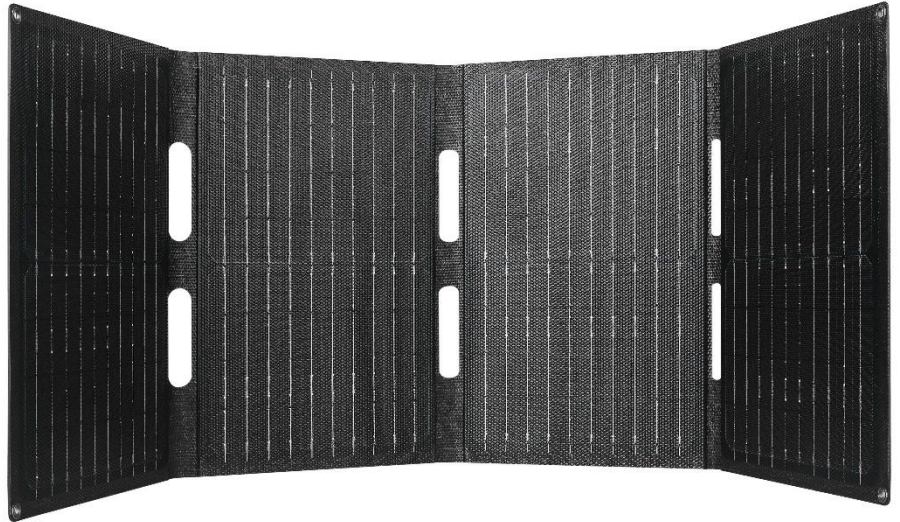
## Specifications

|                   |                  |
|-------------------|------------------|
| Dimension (W*L*H) | 273*318*107.2 mm |
| Weight            | 519 g            |
| Material          | EVA              |



## Specifications

|                   |                     |
|-------------------|---------------------|
| Dimension (W*L*H) | 217.8*273.4*60.9 mm |
| Weight            | 959 g               |
| Material          | TPU                 |



## Specifications

|                            |                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| Folded Dimension (W*L*H)   | 205*323*30 mm                                                                                                      |
| Unfolded Dimension (W*L*H) | 323*835*16 mm                                                                                                      |
| Weight                     | 0.9kg±5%                                                                                                           |
| Material                   | ETFE Monocrystalline Solar Panel/<br>Waterproof Chenille Fabric/<br>Intelligent Charging Chip                      |
| Power                      | 40W                                                                                                                |
| Output                     | DC: 18V/2.23A Max<br>USB-A: 5V/3.4A, 9V/2.5A, 12V/2A (QC3.0 24W)<br>Type-C: 5V/3A, 9V/3A, 12V/2.5A, 15V/2A (PD30W) |



## Specifications

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| Capacity          | 10000 mAh                                                                                       |
| Dimension (W*L*H) | 141*70*16mm                                                                                     |
| Texture           | Plastic                                                                                         |
| Color             | Black                                                                                           |
| Input             | Micro: 5V/2.0A, 9V/2.0A, 12V/1.5A<br>USB-C: 5V/3.0A, 9V/2.0A, 12V/1.5A                          |
| Output            | USB-A: 5V/4.5A, 9V/2.0A, 12V/1.5A (22.5W Max)<br>Type-C: 5V/3.0A, 9V/2.22A, 12V/1.67A (20W Max) |



## Specifications

### Physical Parameters

|                   |                      |
|-------------------|----------------------|
| Dimension (W*L*H) | 58*110*117.8 mm      |
| Weight            | 400 g (with battery) |

### Printing Spec

|                |                |
|----------------|----------------|
| Print Method   | Direct thermal |
| Resolution     | 203 dpi        |
| Print Speed    | Max.60mm/s     |
| Print Width    | Max.72mm       |
| Print Protocol | CPCL           |

### Media Spec

|                           |                                    |
|---------------------------|------------------------------------|
| Type                      | Thermal label paper, Receipt paper |
| Width                     | 25mm~80mm, adjustable              |
| Paper Roll Outer Diameter | Max.50mm                           |
| Thickness                 | 53μm~150μm                         |
| Paper Outlet Direction    | Upward                             |

### Communication Interface

|          |                                     |
|----------|-------------------------------------|
| Standard | USB Type-C, Dual-mode Bluetooth 5.2 |
|----------|-------------------------------------|

### Power Supply

|        |                      |
|--------|----------------------|
| Input  | AC 100~240V, 50/60Hz |
| Output | DC 5V, 1A            |

### Battery Spec

|          |                              |
|----------|------------------------------|
| Type     | Rechargeable Lithium Battery |
| Voltage  | 7.4V                         |
| Capacity | 2000 mAh                     |

### Environmental Parameters

|           |                                      |
|-----------|--------------------------------------|
| Operating | 0°C~45°C, 25%~85%RH, non-condensing  |
| Storage   | -20°C~70°C, 5%~95%RH, non-condensing |



## Specifications

|                          |                                     |
|--------------------------|-------------------------------------|
| Feature                  | Drawing/Writing, Note-taking, Touch |
| Dimension (W*L)          | 9*175 mm                            |
| Weight                   | 16.6 g                              |
| Charging Cable           | Micro-USB                           |
| Charging Voltage         | 4.2V/0.2A                           |
| Charging Time            | 100-130 min                         |
| Working Hours            | 12 hr                               |
| Battery                  | 140 mAh                             |
| Intelligent Power Saving | 30 min/5 min automatic power off    |
| Standby Time             | 1 year                              |
| Color                    | White                               |
| Accessories              | Lanyard (Option)                    |

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