

ESY-U0604

5.7" Rugged Handheld Device

Features

- Octa-Core CPU, 2.2 GHz
- OS - Android 14
- 5.7" Sunlight-Readable HD Display, 1440 x 720 Resolution
- Multi-Touch and Stylus Support
- Available in 4GB + 64GB
- Battery Capacity: 5200mAh
- UHF RFID Recognition
- USB with OTG Support

Appearance





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Revision Table

Date	Revision	Content	By
2025/8/05	0.1	First Draft	Elio
2025/8/06	0.2	Update Design Photo	Elio

ACT POWER TAIWAN
Preliminary

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Specification

Performance	
CPU	Octa-Core CPU, 2.2 GHz
Memory & Storage	4GB + 64GB
Storage Expansion	Supports Micro SD Card, Up to 256GB
Operation System	Android 14
Display	Screen Size: 5.7 Inch
Display Features	IPS, Sunlight-Readable Full HD
Resolution	1440 x 720
Touch	High Strength, Capacitive Touchscreen
Touch Features	Supports Multi-Touch and Stylus Input
Camera	N/A
Battery	5200mAh, 3.85V
RFID UHF	UHF Features: Readable, Writable, Supports Multi-Tag Reading Built-in UHF Module
	Multi-Tag Reading Speed : Up to 50 Tags/second
	Antenna Specs: Circular Polarized Antenna (1.5dBi)
	Operating Frequency: 902-928 MHz/865-868 MHz UHF Protocol Standard: EPC C1 GEN2 / ISO 18000-6C
	Power Output: 400mW (26 dBm, Adjustable from +18dBm to +26dBm)
	Reading Distance: 2.5 m (Indoor); > 1.5m (Outdoor Open Area)
Communication Characteristics	
Wireless	4G
	LTE-FDD:B1/B3/B5/B7/B8/B12/17/B20;
	LTE-TDD:B34/B38/B39/B40/B41M;
	WCDMA:B1/B2/B5/B8;
	GSM: B2/B3/B5/B8

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Specification

Wi-Fi	WiFi 5, Supports Dual-Band 2.4G / 5G, IEEE 802.11 a/b/g/n/ac
Bluetooth	Supports BT 5.0
Navigation	GPS, GLONASS, Galileo
Interfaces	USB Type-C, Supports USB 2.0 OTG, High-Speed Transmission
SIM Card Slot	Single SIM + TF Card; Internal SIM Card Tray
Charger	Power Adapter Supports 5V/3A
Special Features	Common Functions Gravity Sensor, Speaker, MIC, Vibration Motor
Physical Characteristics	
Dimension (LxWxD)	164 x 80 x 23.5mm
Weight	Approx. 420g
Physical Button	2 x Scan Buttons, 1 x Power Button, 1 x Volume up/down

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Environment Compliance

Operating Temp.	-10°C to +50°C
Storage Temp.	-30°C to +60°C
Relative Humidity	5% - 95% RH (Non-Condensing)
Protection Rating	IP65
Operating Pressure	86kPa ~ 110kPa

Environmental performance may vary according to the integration method or final integration scenario.

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Deliverables

1	5.7" Rugged Handheld Device
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Ordering Information

Model Name	Description	Unit
ESY-U0604	5.7" Rugged Handheld Device	1

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