





Android 4.2.2 "Jelly Bean" OS

Finally, the premier rugged computer manufacturer, AMREL is offering Android on a durable handheld platform. Get the convenience of this popular OS with the reliability of our decades of rugged experience.

Quad-core Cortex[™] A7 1.2GHz

Small, but powerful, the APEX AH53 boasts a fast processor, perfect for data-intensive applications.

IP67 🥊

Throw it into water, cover it in dust, APEX AH53 will still work. It has also been tested to operate after 4+ feet drop, and at high/cold temperatures.

Big 5.3"display

Being small and lightweight doesn't mean you can't get the big picture. The 5.3" display means you won't miss a thing.

Lightweight

The APEX AH53 is tough as nails, but feels like a commercial handheld. Approximately an inch thick, it weighs less than 14 ounces.

Cellular capable

Other communication options include Bluetooth® 4.0 LE, NFC, and WLAN.

Barcode reader option

1D/2D Imager scan engine

AH53 Technical Specifications

Item	Standard	
Operating System	Android 4.2.2	
CPU	Quad-core Cortex™ A7 1.2GHz	
Memory	4GB eMMC 1GB LPDDR2 RAM	
Display	5.3" (480 x 850) LCD, 350 cd/m ² Brightness, 5-point Capacitive Touchscreen	
Storage	MicroSD Slot Supports up to 32GB (SDHC supported)	
Audio	1 x 0.5W Speaker	
I/O Interface	Right: 1 x High-speed Micro USB 2.0 Host	
	Top: 1 x 0.5W Speaker, 1 x Headset/Dual Mic-In	
	Bottom: 1 x 6-pin docking connector	
Power	Main Battery: 3.7 V 3900mAh Li-Polymer AC Adapter: 5V/2.6A	
LED	Battery charging (red) / Fully charged (green)	
Color	Black with Matte Blue	
Overall Dimensions	6.36" x 3.39" x 1.14" 160.9 mm (L) x 85.4 mm (W) x 28.85 mm (H)	
Weight	0.85 lbs (386 g)	

Integrated Features	Standard	Upgrades	
Wireless LAN	802.11b/g/n		
Wireless PAN	Bluetooth [®] 4.0 LE		
Modem	GSM 850/900/1800/1900	WCDMA 850/2100 (H	SPA+, HSDPA 42 Mbps, HSUPA 11.5 Mbps
GPS	Yes		
Camera	8MP AF rear camera with flashlight		
NFC	Yes		
Sensors	• Magnetometer • Gyroscope Sensor		
Integrated Options	Optional	Standard Environmental Ratings	
Barcode	1D/2D Image scan engine	Operating Temp	14°F ~ 122°F (-10°C ~ 50°C)

gracea options	optional
ode	1D/2D Image scan engine

Standard Environmental Ratings			
Operating Temp	14°F ~ 122°F (-10°C ~ 50°C)		
Storage Temp	-4°F ~ 140°C (-20°C ~ 60°C)		
Humidity	5% ~ 95%, non condensing		
Drop Survival	4.92 ft (1.5 m)		
IEC IP-67	Dust-protected; Immersion up to 3.28 ft (1 m) in water		
Certification	CE/FCC		

* Contact us for more information

** Specifications subject to change without notice

