BRAX TECHNOLOGIES

BraX3 technical specifications

Hardware reference • 8 GB RAM / 256 GB storage

BraX3 combines a MediaTek Dimensity 6300 platform, a 6.56-inch display and a USB-C charging interface. This sheet describes hardware features; operating-system and operator support can affect which functions are available.

Platform

Feature	Specification
SoC	MediaTek Dimensity 6300
CPU	2× Arm Cortex-A76 up to 2.4 GHz + 6× Cortex-A55 up to 2.0 GHz
GPU	Mali-G57 MC2
ABI	arm64-v8a
RAM	8 GB LPDDR4X
Storage	256 GB
microSD	Up to 512 GB

Display

Feature	Specification
Panel	6.56-inch HD+ in-cell LCD; waterdrop design
Resolution	720 × 1612
Refresh rate	90 Hz
Brightness	360 nits minimum; 400 nits typical
Density	280 xdpi
NTSC gamut	65% minimum; 70% typical

Battery & charging

Feature	Specification
Capacity	5,000 mAh typical; 4,900 mAh rated
Battery model / manufacturer	BL-A47CT · Huizhou Highpower Technology Co., Ltd.
Removability	Not user-removable
Rated input	5 V DC, 2 A
Charging	10 W, USB Type-C
USB data	USB 2.0

Cameras

Camera	Specification
Rear main	50 MP; OV50C image sensor; autofocus; f/1.8
Rear macro	2 MP; BF2257CS image sensor; fixed focus; f/2.4
Front	5 MP; GC05A2 image sensor; fixed focus; f/2.2
Rear flash	Shared by the main and macro cameras

Body

Feature	Specification
Dimensions	167.9 × 76.8 × 8.94 mm
Weight	192 g
Display cover	CG01pro+ (0.8 mm, 2.5D)
Back cover	Panda glass
Frame and buttons	Scratch-resistant polycarbonate
Tactile buttons	Power button, volume rocker (EVPAWBD40 tactile switch)
IP rating	Unrated

Audio and sensors

Feature	Specification
Audio	Single type-1217 speaker; single type-0810 receiver; audio PA supported
Microphones	Dual
Headphone jack	3.5 mm
Sensors	Light, proximity, gravity and geomagnetic
Gyroscope	Not supported
Fingerprint	Side-mounted; FT9399SD chip

Wireless connectivity

Feature	Specification
SIM	One physical nano-SIM + eSIM; two simultaneous profiles
Wi-Fi	Wi-Fi 5; 802.11ac/a/b/g/n
Bluetooth	5.2
NFC	Supported
FM radio	Supported
Positioning	GPS, Galileo, GLONASS, BeiDou (BDS), QZSS
Wi-Fi calling	VoWiFi supported; operator compatibility may vary

Cellular bands

Technology	Bands
5G NR	n1 / n2 / n3 / n5 / n7 / n25 / n26 / n28 / n38 / n40 / n41 / n66 / n71 / n77 / n78
4G LTE	B1 / B2 / B3 / B4 / B5 / B7 / B8 / B12 / B13 / B17 / B25 / B26 / B28 / B38 / B40 / B41 / B42 / B66 / B71
3G WCDMA	B1 / B2 / B4 / B5 / B8
2G GSM	B2 / B3 / B5 / B8

Band support does not guarantee service on every network. Availability depends on the operator, region, device software and service provisioning.

Hardware revisions

BraX3 has two hardware revisions. The display assembly and mainboard have revision-specific part codes. Use the BraX3 parts catalogue to select components for the correct revision; do not assume these assemblies are interchangeable.

Document basis

Brax hardware specifications and the BraX3 parts master, with battery ratings from safety report LCSA11204232S. Component identifiers follow the parts master. The battery model BL-A47CT is identified in the safety report. This sheet does not assign an IP rating, energy class or repairability score.