

JCB**TOUGHPHONE E50**

**BUILT TO LAST.
ENGINEERED TO
PERFORM.**



Introducing the latest rugged smartphone: engineered for durability, it combines slimline design with cutting-edge 5G connectivity. The device supports wireless charging, ensuring you stay powered on the go. Perfectly suited for professionals, it combines all the rugged features without compromising on style. Whether in the field, the office or at leisure, this smartphone is your device for every occasion.

Built to Endure



Ultra-Rugged Design

IP68/IP69K MIL-STD-810H certified and drop-tested from 1.8m onto concrete for ultimate durability.



6.1" HD+ Double Strengthened Rainbow Glass

A tough, high clarity screen designed to handle harsh environments.



Long-Lasting Power

The 5000 mAh battery keeps you going throughout the day without the need for frequent charging, also wireless charging compatible.

Engineered for the Real World

From construction and logistics to outdoor adventure, the JCB Toughphone E50 delivers rugged reliability and modern technology.

www.jcbphone.com

Capture the Details – Day and Night



50MP Main Camera

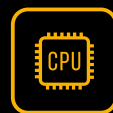
Main Camera 50MP with secondary 20MP lens.



20MP Night Vision Camera

Night vision captures every detail in complete darkness, perfect for inspections or low-light work.

Power and Connectivity for Professionals



Reliable Performance

6GB RAM expandable to 14GB with 8GB of virtual RAM.



Android 16

Delivers super-fast performance, enhanced privacy features and seamless multitasking.



Nano SIM and eSIM Support

Supported so stay connected with seamless multi-network, with dual number flexibility.



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Physical Characteristics

Size 161.1mm x 79mm x 11.9mm

Weight 260g

Core Functions

OS Android 16

Chipset MT6835VTZB

CPU clock speed 2x A76 2.4GHz
6x A55 2.0GHz

RAM 6GB, support virtual RAM 4/6/8 GB

ROM 128GB

External memory Up to 1TB TF card

Display size 6.1" HD+

Display resolution 720 x 1560

Display cover Double Strengthened Rainbow Glass

Rear camera 50MP + 20MP night vision

Front camera 8MP

Battery size 5,000mAh, embedded

Battery life Standby time: up to 21 days;
Talk time: 32 hrs

Wired charging 30W, PD 3.0

Wireless charging 15W

Reverse charging 5W Power Bank Function

USB Type C, support OTG

Network and Connectivity

2G GSM Bands (MHz): 850, 900, 1800, 1900

3G UMTS Bands (MHz): 850, 900, 1900, 2100

4G LTE Cat 13 FDD B1,3,7,8,20,28A,28B

5G n1/n3/n7/n8/n20/n28/n38/n41/n77/n78

IMS support VoLTE, VoNR, VoWiFi supported

SIM Dual SIM, nano + eSIM

Bluetooth 5.3

Wi-Fi 802.11 a/b/g/n/ac, 2.4GHz, 5GHz

Wi-Fi hotspot Up to 16 connections

NFC Yes

GPS GPS, BEIDOU, GLONASS, Galileo

3.5mm headphone jack No, headset via Type C USB

Speakers Dual speakers, 2.2W total output.
Sound Pressure Level (SPL) - 96±2 dB

Rugged Credentials

Military specification MIL-STD-810H

Water and dust protection IP68/IP69K - Dust tight, water-resistant 1.2m for 30 mins

Drop test 1.8m on to concrete

Operating temperature -20°C to +55°C

Sensors

Accelerometer-sensor Yes

Ambient light sensor Yes

Electronic compass Yes

Gyroscope Yes

SAR sensor Yes

Finger print Yes, at power button.

Face ID Yes

