



## TOUGHPHONE P20



## RUGGED POWER. ADVANCED THERMAL VISION.

Built to withstand extreme temperatures, water, and impact, the P20 thrives in the harshest conditions, while its pro-grade camera system and powerful hardware ensure professionals stay connected and in control.

### Built for Tough Environments



#### Ultra-Rugged Durability

IP69K, MIL-STD-810H certified, and drop-tested from 1.8m onto concrete for maximum protection.



#### 6.6" Full HD+ Gorilla Glass Display

A toughened, high-resolution screen for clear visuals in any environment.



#### Powerful Performance

Octa-core 2.4GHz processor, 12GB RAM, and 512GB storage deliver lightning-fast performance.



#### Multi-Day Battery Life

A 10,000mAh battery keeps you going without worrying about recharging.

### Built for Industry Leaders

Whether you're working in construction, utilities, search & rescue, or maintenance, the JCB Toughphone P20 gives you the power, durability, and technology to get the job done.

### See the Unseen with Thermal Imaging



#### High-Resolution Thermal Camera

Detect heat signatures and spot issues with a 256x192 thermal sensor.



#### Versatile Temperature Detection:

Accurately measures heat from -15°C to 550°C, ideal for engineering, construction, and emergency services.



#### Real-Time Analysis:

25fps video frame rate for smooth, detailed thermal imaging.

### Stay Connected and In Control



#### 5G, Dual SIM & WiFi 6E

Ultra-fast data speeds keep you connected wherever you go.



#### Pro-Grade Camera System

A 64MP main sensor, 20MP night vision, and thermal imaging make it the ultimate professional tool.

[www.jcbphone.com](http://www.jcbphone.com)





# RUGGED POWER. ADVANCED THERMAL VISION.

When visibility is the difference between success and failure, the JCB Toughphone P20 delivers. Designed for engineers, inspectors, and search and rescue teams, its high-resolution thermal camera helps detect faults, identify heat signatures, and troubleshoot issues, day or night.

### Physical Characteristics

Size	174mm x 82mm x 18mm
Weight	390g

### Core Functions

OS	Android 14
Chipset	MT6877
CPU clock speed	2x A78 2.4GHz 6x A55 2.0GHz
RAM	12GB
ROM	512GB
External memory	Up to 1TB
Display size	6.6" FHD+
Display resolution	1080 x 2400
Display refresh rate	120Hz
Display cover	Corning Gorilla Glass
Rear camera	64MP + 8MP wide angle + 20MP night vision
Thermal camera	Yes
Front camera	20MP
Battery size	10,000mAh
Battery life	Talk time: up to 40hrs; Standby time: up to 50 days
Powerbank function	Yes

### Network and connectivity

2G	2G: GSM Bands (MHz): 800, 900, 1800, 1900
3G	3G: UMTS Bands (MHz): 800, 850, 900, 1700, 1900, 2100 3G: CDMA Bands (MHz): 800, 1900
4G	4G: LTE (Cat.6 - 50Mbps /300Mbps) FDD B1,2,3,4,5,7,8,12,17,18,19,20,25, 28A,28B,66; TDD B34,38,39,40,41
5G	N1,3,7,28,38,41,77,78,79
IMS support	VoLTE, VoWi-Fi supported
SIM	Dual nano SIM
Bluetooth	5.0
Wi-Fi	802.11 a,b,g,n,ac,ax, 2.4/5/6GHz
Wi-Fi hotspot	Up to 8 connections
GPS	GPS L1CA+L5, BeiDou B1I +B2a, Glonass L10F, Galileo E1+e5a
NFC	Yes

### Thermal camera

Thermal imaging detector	Uncooled VOx microbolometer
Resolution	256 x 192
Pixel size	12µm
Spectral range	8-14 µm
Video frame rate	25fps
Measurement range	High gain -15C to 150C; Low gain 50C to 550C
Accuracy	+/- 2%

### Rugged credentials

Military specification	MIL-STD 810G, IP69K, drop test 1.8m
Water and dust protection	IP69K - Dust tight,water- resistant 1.2m for 60 mins
Drop test	1.8m on to concrete
Operating Temperature	-20°C to +55°C

### Sensors

Accelerometer-sensor	Yes
Ambient light sensor	Yes
Proximity sensor	Yes
Electronic compass	Yes
Gyroscope	Yes

**TOUGH  
JCB  
PHONE**

Manufactured under license by Genuine Case Company,  
an official licensee of J.C. Bamford Excavators Ltd.