



TCL 50_{5G}

6.6 HD+90HZ Hole Display

8GB*+128GB

50MP HDR Dual camera

5G High Performance Processor



DESIGN

Dimensions: 164.09*75.04*8.31.mm
 Weight: 183,5g
 Side keys: **Power**, **Volume**
 Finish: 2.5D Glass ,
 Colors available: **Space Grey** / **Dark Blue**

DISPLAY

Size: 6.56" Hole Display
 Refresh rate: 90Hz
 Resolution: HD+ (720x1612 pixels)
 Screen-to-body ratio: 89%¹
 Glass type: 2D glass, TFT-IP%S
 Aspect ratio: 20:9
 Contrast ratio: 1000:1 (Typ.)
 Color gamut: 269PPI, NTSC 72%(Typ.),
 Brightness (nits): 430 nits brightness (Typ.)
 Capacitive touchscreen

BATTERY

Battery: 5010mAh (typical)
 Charger: up to 18W
 Charging time (Hours): 2h8m
 DOU Value (Hours): 20.62h

PERFORMANCE

OS: **Android 14** (2 OS upgrade/5Y SMR)
 Chipset: MTK MT6835
 CPU: 2x A76 2.2GHz + 6x A55 2.0GHz
 GPU: G57 MC2

REAR CAMERA

50MP+5MP(UW)
 AF+FF, sensor size TBD, pixel size 0.64μm, aperture F1.8,
 field of view 79.2°, 5P lens

Video capture: 1080P @30FPS
 Video playback: 1080P @30FPS
 Features: HDR; Panorama; Auto scene detection;
 Steady snap, Bokeh
Other features: Torch light

FRONT CAMERA

8MP camera:
 8MP: FF, sensor size 1/4", pixel size 1.12μm, aperture F2.0,
 field of view 77.8°, 4P lens
 Video capture: 2K@30fps
 Video playback: 2K@30fps
 Features: Face Beauty, HDR

MEMORY

RAM size: 8GB (RAM Expansion 4GB + 4GB)
 ROM size: 128GB
 microSD card: up to 2T

CONNECTIVITY

Bluetooth version: 5.3
 Audio jack: 3.5mm
 NFC: Yes
 eSIM: Yes

NETWORK

Dual SIM: 1 physical Sim + E-Sim + micro SD
 (eSim support may varies by customers)

5G Data: NSA: DL: 2.7Gbps UL: 0.73Gbps
 SA: DL: 2.3Gbps UL: 625Mbps
 4G data: LTE UE CAT 7
 DL CAT13: 400Mbps, UL CAT18: 211Mbps
 3G data: HSPA+ [DL CAT24: 42Mbps,
 UL CAT7 : 1.5Mbps]
 2G data: GPRS/EDGE

5G Bands:
 n1/3/5/7/8/20/26/28/38/40/41/77/78
 4G Bands:
 B1/2/3/4/5/7/8/13/17/20/26/28/32/38/40/41/42
 3G Bands:
 UMTS B1/B2/B4/B5/B8
 2G Bands:
 GSM 850/900/1800/1900

802.11a/b/g/n/ac, Wi-Fi direct
 VoLTE (Compatible), VoWiFi (Compatible)
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AUTHENTICATION

Face Unlock, Fingerprint sensor (Side)

SENSOR

Location: GPS/Glonass/Beidou/Galileo, with A-GPS
 Other: Accelerometer (G sensor), Proximity sensor, Light Sensor,
 E-Compass, Gyro

AUDIO AND VIDEO

Audio playback format:
 AAC, HE-AAC v1, HE-AAC v2, AMR, AWB, MIDI, MP3, OGG,
 Vorbis, WAV (Alaw/Ulaw), WAV (Raw), FLAC, OPUS
 Video playback format:
 1080P@30fps, MPEG2, H.263, MPEG4, H.264, H.265, VP8,
 VP9
 Speaker: 2
 Dual-mic Noise cancellation: YES
 Supported headsets: LRGM
 Features: HD voice

IN THE BOX*

Standard: Type C 2.0 Cable, LCD Sticker, Quick Guide & PSI, SIM
 Card PIN
 18W Charger, Headset, TPU Case, PET film

