



TCL 505

Bigger Display, Bigger Memory.

6.75"/90Hz High refresh rate display
4GB+4GB RAM expansion
50MP hybrid camera
Stereo Dual Speakers

** The 5MP front camera is interpolated from 2MP. The camera specifications apply to all variations except the T431Q model, which features 5MP rear and 2MP front cameras.

DESIGN

Dimensions (HxWxD, mm): 168.29x76.67x8.32mm
Weight: 190g
Side keys: 2 (Volume Key & Power Key)
Colors: Black, Blue

DISPLAY

Size: 6.75 inch NXTVISION display
Resolution: HD+ (720*1600 resolution)
Screen-to-body ratio: VA:TP=90.01% VA:BD=86.27%
Glass type: 2.5D glass
Touch technology: Capacitive
Color gamut: 260 PPI, NTSC 69.3%(Typ.)
Brightness (nits): Min 360nit, TYP 400nit
Anti-fingerprint coating: Yes

BATTERY

Capacity: 5010mAh
Charging Technology: 10W
Charging time (Hours): Around 3h
DOU Value (Hours): 18hours *

PERFORMANCE

OS: Android 14 (1 次OS upgrade (Android 14 to 15))
Chipset: MTK G36 (MT6765X)
CPU Frequency: 4xA53@ 2.2GHz+4xA53@ 1.6GHz
GPU: IMG GE8320 680MHz

REAR CAMERA

Number of pixels : Dual
50MP Main Camera:
PDAF, sensor size 1/2.55", pixel size 0.7µm, aperture F1.8, field of view 79.4°, 5P lens
2MP Dual Camera:
FF, sensor size 1/5", pixel size 1.75µm, aperture F2.4, field of view 88.8°, 3P lens
Camera Flash: Single tone
Video capture: 1080P @30FPS
Video playback: 1080P @30FPS
Features: Bokeh,HDR,Panorama,AI scene detection,Face detection

FRONT CAMERA

SMP camera:
FF, sensor size 1/5", pixel size 1.12µm, aperture F2.2, field of view 76.8°, 3P lens
Video capture: 1080p@30fps
Video playback: 1080p@30fps
Features: HDR, Face Beauty

MEMORY

RAM size: 8GB (4GB + 4GB RAM expansion)
ROM size: 128GB
Available memory: **108GB (TBD) ***
microSD card: Micro SD, up to 512GB
*Actual internal storage available may depending on pre-installed software.

CONNECTIVITY

Bluetooth version: 5.1
Audio jack: 3.5mm
NFC: Yes

NETWORK

Sim card slots
Dual SIM: 2 Nano SIM + 1 T-Flash card

4G data: Cat 4 DL 150Mbit/s, UL 50Mbit/s
3G data: HSPA+ (42M bit/s DL, 11Mbit/s UL)
2G data: GPRS/EDGE

4G Bands:
B1/3/5/7/8/20/26/28/38/40/41 (2496-2690MHz)

3G Bands:
B1/2/5/8

2G Bands:
850/900/1800/1900

802.11a/b/g/n/ac, 2.4GHz&5GHz, Wi-Fi direct, Wi-Fi display
VoLTE, VoWiFi

AUTHENTICATION

Face Unlock

SENSOR

Location: BDS/GPS/Glonass/Galileo,with A-GPS
Other: Accelerometer (G sensor), Proximity by software solution

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:
MPEG2, H.263, MPEG4, H.264, H.265, VP8, VP9
Speaker: 2
Dual-mic Noise cancellation: Default No, but optional
Supported headsets: LRGm
Features: Big Volume

IN THE BOX

Type C 2.0 Cable, LCD sticker, Quick guide PSI, SIM card pin,
RAM expansion label