



# TCL 501

Bigger Display

Better View

6.0" vast display

32GB large memory

MTK G36 with powerful Octa-core

3000mAh battery

6.0"  
Display

32GB  
ROM  
RAM  
2GB

3000mAh  
battery

CORE  
X8

## DESIGN

Dimensions (HxWxD, mm): 156.48\*74.88\*9.65  
 Weight: 180g  
 Side keys: Power, Volume  
 Finish: 2D Glass, PC back cover  
 Colors: Dark grey, Glacial blue

## DISPLAY

Size: 6.0"  
 Resolution: qHD ( 540\*1092 pixels)  
 Screen-to-body ratio: VA:TP=83.92% VA:BD=79.48%  
 Glass type: 2D glass, IPS  
 Aspect ratio: 18:9  
 Technology: Capacitive, 5 touch-points  
 Contrast ratio: 1000min  
 Color gamut: NTSC 70% (Typ.)  
 Brightness (nits): 400type/360min (TBC)  
 Anti-fingerprint coating: No

## BATTERY

Capacity: 3000mAh (Typ.)  
 Charger: 5V1A Charger wired(Type C)  
 Charging time (Hours): 5-5.5H (TBC)  
 DOU Value (Hours): 11H\* (TBC)

## PERFORMANCE

OS: Android™ 14 (Go edition)  
 Chipset: MTK Helio G36  
 CPU: Octa-core, 4xA53@ 2.2GHz+4xA53@ 1.6GHz  
 GPU: IMG GE8320 680MHz

## REAR CAMERA

5MP main camera;  
 FF, sensor size 1/5", pixel size 1.12μm, aperture F2.2, field of view 76°, 3P lens  
 Video capture: 1080P @30FPS  
 Video playback: 1080P @30FPS  
 Other features: Fake flash

## FRONT CAMERA

2MP camera (interpolated from 2MP):  
 FF, sensor size 1/5", pixel size 1.12μm, aperture F2.8, field of view 61.4°, 2P lens  
 Video capture: 720p@30fps  
 Video playback: 720p@30fps  
 Features: LCD Flash

## MEMORY

RAM size: 2GB  
 ROM size: 32GB  
 microSD card: Up to 1TB

## CONNECTIVITY

Bluetooth version: 5.1  
 Audio jack: 3.5mm  
 NFC: No

## NETWORK

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

4G data: Cat 4 (150Mbit/s DL, 75Mbit/s UL)  
 3G data: HSPA+ (42M bit/s DL, 11Mbit/s UL)  
 2G data: GPRS/EDGE

4G Bands:  
 T433D: B1/B3/B5/B7/B8/B20/B28/B38/B40/B41

3G Bands:  
 T433D: B1/B2/B5/B8

2G Bands:  
 T433D: 850/900/1800/1900

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

## AUTHENTICATION

Face Unlock,

## SENSOR

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

## AUDIO AND VIDEO

Audio playback format:  
 AAC,AMR,AWB,MP3, AAC+,Vorbis, FLAC, eAAC+, PCM  
 playback  
 Video playback format:  
 1080P@30fps, H.263, H.264 AVC, H.265 HEVC, VP8, VP9,  
 MPEG-4  
 Speaker: 1  
**Dual-mic Noise cancellation:** no  
 Supported headsets: LRGM  
 Features: Noise cancellation by software

## IN THE BOX standard

T433D: QG&PSI, LCD sticker, Battery, USB Cable, 5V1A wired charger (Type C),  
 Optional: PET Film , TPU Case, Headset