

Samsung A50

Processor

CPU Speed 2.3GHz, 1.7GHz

CPU Type Octa-Core

Display

Size (Main Display) 16.21cm (6.4") full rectangle /
15.76cm (6.2") rounded corners

Resolution (Main Display) 2340 x 1080 (FHD+)

Technology (Main Display) Super AMOLED

Color Depth (Main Display) 16M

Camera

Rear Camera - Resolution (Multiple) 25.0 MP + 5.0
MP + 8.0 MP

Rear Camera - F Number (Multiple) F1.7 , F2.2 , F2.2

Rear Camera - Auto Focus Yes

Rear Camera - OIS No

Front Camera - Resolution 25.0 MP

Front Camera - F Number F2.0

Front Camera - Auto Focus No

Front Camera - OIS No

Rear Camera - Flash Yes

Front Camera - Flash No

Video Recording Resolution FHD (1920 x 1080)@30fps

Memory

RAM_Size (GB) 6

ROM Size (GB) 64

Available Memory (GB)* 49.0

External Memory Support MicroSD (Up to 512GB)

Network/Bearer

Number of SIM Dual-SIM

SIM size Nano-SIM (4FF)

SIM Slot Type SIM 1 + SIM 2 + MicroSD

Infra 2G GSM, 3G WCDMA, 4G LTE FDD, 4G LTE TDD

2G GSM GSM850, GSM900, DCS1800, PCS1900

3G UMTS B1(2100), B2(1900), B5(850), B8(900)

4G FDD LTE B1(2100), B3(1800), B5(850), B7(2600),
B8(900), B20(800)

4G TDD LTE B38(2600), B40(2300), B41(2500)



Connectivity

ANT+ Yes

USB Interface USB Type-C

USB Version USB 2.0

Location Technology GPS, Glonass, Beidou, Galileo

Earjack 3.5mm Stereo

MHL No

Wi-Fi 802.11 a/b/g/n/ac 2.4G+5GHz, VHT80

Wi-Fi Direct Yes

Bluetooth Version Bluetooth v5.0 (LE up to 2 Mbps)

NFC No

Sensors

Accelerometer, Fingerprint Sensor, Gyro Sensor,
Geomagnetic Sensor, Hall Sensor, Light Sensor, Proximity
Sensor

Battery

Internet Usage Time(3G) (Hours) Up to 12

Internet Usage Time(LTE) (Hours) Up to 14

Internet Usage Time(Wi-Fi) (Hours) Up to 15

Video Playback Time (Hours) Up to 19

Battery Capacity (mAh, Typical) 4000

Removable No

Audio Playback Time (Hours) Up to 92

Talk Time (3G WCDMA) (Hours) Up to 23

Physical specification

Dimension (HxWxD, mm) 158.5 x 74.7 x 7.7

Weight (g) 166