

EN	EN
Product name	OPPO Find X9 Ultra
R&D project code	25211
Phone model	CPH2841
Manufacturing enterprise	N/A
Warranty period	N/A
Phone size with package	OTHER: 195x190x54 mm OEU: 184x98x36 mm
Phone weight with package	IN: 0.921 kg OEU: 0.465 kg OTHER: /
Phone Style	N/A
Dimensions (material 1)	Canyon Orange: 163.16 × 76.97 × 8.65mm Tundra Umber: 163.16 × 76.97 × 9.10mm
Dimensions-- Indian (material 1)	Canyon Orange: 16.32 × 7.70 × 0.87 cm Tundra Umber: 16.32 × 7.70 × 0.91 cm
Phone color	12GB+512GB: Tundra Umber, Canyon Orange 16GB+1TB: Tundra Umber, Canyon Orange
Weight (material 1)	Canyon Orange: about 235 g Tundra Umber: about 236 g
Screen form	Straight screen
Number of cameras	Six camera (Front one and Rear five)
EEL level	A
QI CERTIFIED	N/A
Battery test	N/A
Fast charging certification	N/A
Integrated fast charging	N/A
Endurance test	N/A
Endurance certification	N/A

minimum battery endurance in cycles in number of cycles	1200
EMVCO	N/A
SAR value	<p>CE SAR: Head SAR: 0.985 W/kg Body SAR: 1.279 W/kg Limbs SAR: 2.971 W/kg</p> <p>India SAR: Head SAR: 1.185 W/kg Body SAR: 1.142 W/kg</p> <p>NCC SAR: Head SAR: 1.318 W/kg</p>
Wi-Fi CERTIFIED	Wi-Fi CERTIFIED 7
Thermal certification	N/A
New certification	<p>TÜV Rheinland Intelligent Eye Care 5.0 TÜV Rheinland Low Dynamic Interference TÜV Rheinland Low Blue Light (Hardware Solution) Certified TÜV Rheinland Flicker Free Certified IP66/IP68/IP69</p>
Audio certification	N/A
Folding certification	N/A
DisplayMate A+	N/A
HDR Vivid	Supported
Low blue light certification	N/A
Eye care test	N/A
Eye care certification	TÜV Rheinland Intelligent Eye Care 5.0
HDR10 + Certified	N/A

in case of foldable devices, it shall be indicated that 'This device did not undergo a scratch resistance test' .	NA
Safety certification	N/A
Touch certification	N/A
Smooth certification	N/A
Game certification	N/A
Reliability certification	SGS Premium Performance 5 Stars Drop resistance for overall
Network signal certification	N/A
Compatibility with removable memory cards	Incompatible
Weight range of critical raw materials and environmentally relevant materials	Cobalt in the battery: above 10 g Tantalum in capacitors: less than 0.01 g Neodymium in loud speakers & vibration motors & and other magnets: above 0.2 g Gold in all components: less than 0.02 g
Recyclability rate R _{cyc}	91.80%
percentage of recycled content for the product or a part	N/A
Hi-Res	Unsupported
Charging Power range	USB PD: 10-55 (W) SUPERVOOC: 10-100 (W)
Camera parameters	Rear camera: 200MP+50MP+200MP+50MP+3.2MP Front camera: 50MP
Laser detection auto focus (LDAF)	Supported

SIM ejector tool	Included
Package contents (Bengal)	N/A
Package contents (China)	N/A
Package contents (Portuguese)	1 Aparelho celular, 1 Carregador, 1 Cabo de dados USB, 1 Pino de ejeção SIM Card, 1 Capa protetora, 1 Guia rápido
Package contents (Spanish)	1 Equipo Celular, 1 Adaptador de ca/cc, 1 Cable de datos USB, 1 Extractor de SIM, 1 Funda Protectora, 1 Manual de Usuario, 1 Manual de Seguridad
Package contents (India)	1 N Handset, 1 N Charger, 1 N USB data cable, 1 N SIM Ejector Tool, 1 N Protective Case, 1 N Quick Guide
Package contents (Vietnamese)	1 Thân máy, 1 Sạc, 1 Cáp USB, 1 Dụng cụ lấy sim, 1 Vỏ bảo vệ, 1 Sách hướng dẫn sử dụng nhanh, 1 Sách hướng dẫn sử dụng an toàn
Whether included TF card	NO
Material of protective case	TPU
Color of Protective case	Canyon Orange: Orange Tundra Umber: Black
Style of protective case	Canyon Orange: Soft shell orange Tundra Umber: Soft shell black
Whether included Plastic film sealing	YES
Whether included Screen protector	YES
Data line information	USB-A to USB Type-C, 12 A, 1 m, white
Standard headphone model	N/A
Touch screen type	Capacitive screen

Material of rear cover	Canyon Orange: fiberglass + film 0.47mm Tundra Umber: PC + Leather 0.86mm
Material of screen protection glass	Corning® Gorilla® Glass Victus® 2
Screen Display Panel Material	Corning® Gorilla® Glass+AMOLED display
Camera decoration material	Metal1: SUS 316L Metal2: AL 6A08 Plastic: PA-BK3592
Middle frame material	Aluminum alloy (6A09)
Material of top mainboard case (Material of middle frame)	Plastic: PBT + 40GF Metal: AL 6A09
Material of bottom mainboard case	Plastic: PA BK 3206; Insert: aluminum alloy 5052 H32, thickness 0.2 mm;
Lamination method of touch screen	On-Cell
Process for rear cover	Canyon Orange: Fiberglass cloth hot pressing + OMR film + CNC Tundra Umber: PC injection molding + spraying + skin pressing
Oleophobic coating on rear cover	Included
Packaging process	COP
Screen curvature	N/A
Navigation buttons	No physical navigation keys, support virtual keys on screen and gesture navigation operation
Transfer protocol (USB)	USB 3.2 Gen 1
Data port	USB Type-C
Pins (USB)	24 pin
Earphone jack	Type-C headphones,supported Type-C digital headphones, not supported Type-C analog headphones
eSIM Carrier Support	Supported

Material of SIM card tray	Metal+Plastic
Type of SIM card tray	Dual card tray: supports dual SIM cards, does not support memory cards.
SIM Card type& size	Nano-SIM card, Nano-USIM card, Some carriers support eSIM.
Single or dual SIM (for open market)	<p>Taiwan Open Market dual card eSIM, Malaysia Open Market dual card eSIM, Thailand Open Market dual card eSIM, Indonesia Open Market dual card eSIM, Singapore Open Market dual card eSIM, Vietnam Open Market dual card eSIM, Hong Kong Open Market dual card eSIM, Denmark Open Market dual card eSIM, Spain Open Market dual card eSIM, Finland Open Market dual card eSIM, France Open Market dual card eSIM, United Kingdom Open Market dual card eSIM, Italy Open Market dual card eSIM, Netherlands Open Market dual card eSIM, Poland Open Market dual card eSIM, Portugal Open Market dual card eSIM, Romania Open Market dual card eSIM, Mexico Open Market single card eSIM, Sweden Open Market dual card eSIM, Japan Open Market dual card eSIM, Germany Open Market dual card eSIM, Greece Open Market dual card eSIM,</p>

<p>Single or dual SIM (for Carriers)</p>	<p>Taiwan FVM dual card eSIM, Taiwan FET dual card eSIM, Taiwan CHT dual card eSIM, Malaysia CelcomDigi dual card eSIM, Malaysia U Mobile dual card eSIM, Malaysia Maxis dual card eSIM, Thailand DTAC dual card eSIM, Thailand AIS dual card eSIM, Thailand TRUEMove H dual card eSIM, Indonesia Indosat dual card eSIM, Indonesia Smartfren dual card eSIM, Indonesia XL dual card eSIM, Indonesia Telkomsel dual card eSIM, Singapore StarHub dual card eSIM, Singapore SingTel dual card eSIM, Singapore M1 dual card eSIM, Vietnam Viettel dual card eSIM, Vietnam Vietnamobile dual card eSIM, Hong Kong CSL dual card eSIM, Hong Kong CMHK dual card eSIM, Hong Kong SmarTone dual card eSIM, Hong kong 3 dual card eSIM, Denmark Telenor dual card eSIM, Denmark TDC dual card eSIM, Denmark Norlys dual card eSIM, Spain Movistar dual card eSIM, Spain Orange dual card eSIM, Spain Vodafone dual card eSIM, Finland DNA dual card eSIM, Finland Elisa dual card eSIM, Finland Telia dual card eSIM, France Orange dual card eSIM, France Bouygues dual card eSIM, United Kingdom Three dual card eSIM, United Kingdom O2 dual card eSIM, United Kingdom EE dual card eSIM,</p>
<p>CPU cores</p>	<p>8-core</p>

CPU architecture	octa-core dual-cluster 64 bits processor 2 * Prime Cores @4.608GHz 12MB shared L2 Cache 6 * Performance Cores @3.629GHz 12MB shared L2 Cache
CPU frequency	8-core processors(2 Prime Cores+6 Performance Cores) Maximum Prime Clock Rate 4.608GHz
CPU bits	64 bits
CPU model	Qualcomm® Oryon™ CPU @4.608GHz
CPU manufacturing process	3 nm
Chip platform model name	SM8850
Chip platform market name	Snapdragon® 8 Elite Gen 5 Mobile Platform
Chip platform manufacturers	Qualcomm
GPU model	Adreno™ 840@1200MHz
GPU manufacturing process	3 nm
RAM Speed	LPDDR5X 12GB, Max. frequency 5333.5MHz, Max. data rate10667 Mbps LPDDR5X 16GB, Max. frequency 5333.5MHz, Max. data rate10667 Mbps
RAM specifications	LPDDR5X@5333.5MHz 4×16 bit
RAM capacities	12GB+512GB,16GB+1TB
RAM channels	4
ROM specifications	UFS 4.1 @2Lanes HS-Gear5
Factory default available storage	512GB about 482GB available
Memory card capacity	Unsupported
Memory Card Specifications	Unsupported

RAM expansion	Supports 3 expansion methods: 16GB+4/8/12GB
Minimum available memory capacity (ROM), Taiwan region only	482GB
OTG storage format	FAT32, NTFS, EXFAT
OTG data transmission	Supported
Maximum OTG storage supported	2TB
Standard charger model	VCBAJDEH(EU), VCBAOBEH(EU), VCBAACIN(India), VCBAJDTH(Thailand), VCBAOBTH(Thailand), VCBAJDYH(UK), VCBAOBYH(UK), VCBAOBUH(United States)
Adapter model/parameters (Latin America)	N/A
Adapter model/parameters (Taiwan)	11 V DC 7.3 A
Adapter model/parameters (Latin America/spanish)	Ent: 100-240 V CA 50/60Hz 2.5 A
Adapter model/parameters (Indonesia)	100-240 V~50/60Hz
Battery charging current	18.2 A
Battery voltage	3.72
Battery capacity	7050 mAh/26.23 Wh(Typical) 6890 mAh/25.64 Wh(Rated)
Energy density	840 Wh/L(Typical), 820 Wh/L(Rated)
Battery model	BLPE27 lithium-ion polymer battery
Breathing light during charging	Excluded

1-100% Charging time	<p>Wired charging: Speed mode: Charge to 100% in 50 minutes, and fully charge in 57 minutes Normal mode: Charge to 100% in 56 minutes, and fully charge in 64 minutes</p> <p>Wired charging (low voltage area): Speed mode: Charge to 100% in 52 minutes, and fully charge in 62 minutes Normal mode: Charge to 100% in 56 minutes, and fully charge in 66 minutes</p> <p>Wireless charging (OPPO Magnetic Charger 2 AIRVOOC 50W) : Wireless charging: Charge to 100% in 97 minutes, and fully charged in 104 minutes</p>
Standard charger power	<p>Max 100 W, 11 V/9.1 A Support: SUPERVOOC, VOOC, UFCS, PPS, PD, QC</p>
Suitable temperature range for charging	15 °C to 35 °C (59 °F to 95 °F)
Fast charging	<p>Supports(Max):100 W SUPERVOOC. Compatible with:80 W and below SUPERVOOC,18 W PD,18 W QC,55 W PPS</p>
VOOC Charge	Supported
Maximum power supported by adapter	Adapter maximum supported power is 100W, maximum supported power in low voltage areas is 80W
Wireless charging	Supports: 50 W AIRVOOC
Wireless reverse charging	Supported
Wired reverse charging	Supports(Max): 10 W wired reverse charging
Integrated fast charging protocol	Unsupported
Maximum standby time	623.9 H
Maximum video playback time	20.6 H
Theoretical shortening of video time	18.0 H (YouTube)
Maximum audio playback time (through earphones)	30.9 H

Maximum call time	57.9 H
Theoretical game time	8.5 H
SENSOR type	Proximity sensor, Ambient light sensor, Color temperature sensor, E-compass, Accelerometer, Gyroscope, In-display ultrasound fingerprint sensor, Hall sensor, Pressure sensor, Laser focusing sensor, Spectral sensor, Infrared remote control Note: The Hall sensor is used for magnetic accessory identification and cannot be used for flip cover identification
IRED blaster	Supported
Wi-Fi antenna	WiFi2.4G,WiFi5G,WiFi 6E,WiFi 7 (802.11be),WiFi 6 (802.11ax),WiFi 5 (802.11ac),802.11b/g/a/n,WLAN 2.4G,WLAN 5.1G,WLAN 5G,WLAN 5.4G,WLAN 5.8G,WLAN 6G,WLAN Display,WLAN tethering,WLAN overlay,Wi-Fi 2.4GHz 20M,Wi-Fi 2.4GHz 40M,Wi-Fi 5GHz 20M,Wi-Fi 5GHz 40M,Wi-Fi 5GHz 80M,Wi-Fi 5GHz 160M,2x2 MIMO,Concurrent Wi-Fi 2.4GHz 2x2+Wi-Fi 5GHz 2x2,8 Spatial-stream sounding MU-MIMO,Wi-Fi 6GHz 20M,Wi-Fi 6GHz 40M,Wi-Fi 6GHz 80M,Wi-Fi 6GHz 160M,Wi-Fi 6GHz 320M
Bluetooth version	Bluetooth® 6.0, Low Energy
Super Volume	Media play: Unsupported Handheld call: Unsupported
Video sound zoom	Supported
IP Rating	IP66, IP68, IP69
Button backlight	N/A
Breathing light	N/A

Memory card expansion	Unsupported
Heat dissipation mechanism	High thermal conductivity graphite sheet + Ultra-thin and large-sized VC + Supercritical thermal conductive graphite + High thermal conductivity gel
Heat dissipation area	36673 mm ²
Mobile layout information	
Vibration motor	X-axis linear motor
Hi-Fi	Unsupported
Sound effects	OReality Audio
Front Sensor ratio	4:3
Front Sensor pixel size	0.64 um
Front Sensor type	CMOS(4-in-1)
Front Sensor size	1/2.75"
Front Number of pixels	50MP
Front Sensor model	S5KJN5 50MP
Front Field of view	90°
Front Equivalent focal length	21 mm
Aperture	f/2.4
Front Lens structure	5P
Effective focal length	3.25 mm
Front Electronic image stabilization	Supports dual-axis EIS
Front Focus mode	CDAF, PDAF
Optical zoom	Supports up to 2x digital zoom
Front Optical image stabilization	Unsupported
Front Auto focus	Supported
Soft light	Unsupported
Front Shooting mode	Photo, Video, Portrait, HASSELBLAD HI-RES,Night, Panorama, Dual-view video, TIME-LAPSE, STICKER, Pro Video

Front Shooting method	Touch the screen to take photos, Press the Volume button to take photos, Use gestures to take photos, Use virtual buttons to take photos, Countdown shooting
Front Video taking mode	<p>4K video: 60 fps, 30 fps 1080P video: 60 fps, 30 fps(with Retouch on) 720P video: 30 fps 1080P EIS video:30 fps(with Retouch on) 720P EIS video: 30 fps 4K TIME-LAPSE: 30 fps 1080P TIME-LAPSE: 30 fps Supports Cinematic video shooting Supports Dual-view video shooting Supports HDR video shooting Supports video zoom shooting: up to 3.5× optical zoom and 20× digital zoom</p>
Front Video format	Video format: MP4
Photo size (front camera)	<p>Max size: 8192×6144(50MP mode) Photo sizes in different aspect ratios: 4096×3072 (4: 3) 3072×3072 (1: 1) 4096×1864 (full screen) 4096×2304 (16: 9)</p>
Front Image format	JPG(default), HEIF
Front Camera Screen structure	Hole-punch screen
Rear ultra-wide angle Sensor ratio	4:3
Rear ultra-wide angle pixel size	0.8 um
Rear ultra-wide angle Sensor type	CMOS(4-in-1)
Rear ultra-wide angle Sensor size	1/1.95"
Rear ultra-wide angle Number of pixels	50MP

Rear ultra-wide angle Sensor model	Sony IMX882
Rear ultra-wide angle Field of view	122°
Rear ultra-wide angle Equivalent focal length	14 mm
Rear ultra-wide angle Aperture	f/2.0
Rear ultra-wide angle Lens structure	6P
Rear ultra-wide angle Effective focal length	2.63mm
Rear ultra-wide angle Electronic image stabilization	Supports dual-axis EIS
Rear ultra-wide angle Focus mode	CDAF, PDAF, LDAF
Rear ultra-wide angle Optical image stabilization	Unsupported
Rear ultra-wide angle Auto focus	Supported
Rear ultra telephoto Sensor ratio	4:3
Rear ultra telephoto pixel size	0.64 um
Rear ultra telephoto Sensor type	CMOS(4-in-1)
Rear ultra telephoto Sensor size	1/2.75"
Rear ultra telephoto Number of pixels	50MP
Rear ultra telephoto Sensor model	Samsung JNL

Rear ultra telephoto Field of view	11°
Rear ultra telephoto Equivalent focal length	230 mm
Rear ultra telephoto Aperture	f/3.5
Rear ultra telephoto Lens structure	1G3P+PRISM
Rear ultra telephoto Effective focal length	34.8mm
Rear ultra telephoto Electronic image stabilization	Supports dual-axis EIS
Rear ultra telephoto Focus mode	CDAF, PDAF, LDAF
Rear ultra telephoto Optical image stabilization	Supports 4-axis OIS
Rear ultra telephoto Auto focus	Supported
Rear wide angle Sensor ratio	4:3
Rear wide angle pixel size	0.7 um
REAR type	CMOS(16-in-1)
Rear wide angle Sensor size	1/1.12"
Rear wide angle Number of pixels	200MP
Rear wide angle Sensor model	Sony IMX09E
Rear wide angle Field of view	84°
Rear wide angle Equivalent focal length	23 mm

Rear wide angle Aperture	f/1.5
Rear wide angle Lens structure	7P
Rear wide angle Effective focal length	7.73mm
Rear wide angle Electronic image stabilization	Supports dual-axis EIS
Rear wide angle Focus mode	CDAF, PDAF, LDAF
Rear wide angle Optical image stabilization	Supports 4-axis OIS
Rear wide angle Auto focus	Supported
Rear monochrome Sensor ratio	4:3
Rear monochrome pixel size	1.2 um
Rear monochrome Sensor type	CMOS(4-in-1)
Rear monochrome Sensor size	1/5.88"
Rear monochrome Number of pixels	3.2MP
Rear monochrome Sensor model	SEETRUM SEE6811
Rear monochrome lens Field of view	95°
Rear monochrome Equivalent focal length	19 mm
Rear monochrome Aperture	f/2.4
Rear monochrome Lens structure	3P

Rear monochrome Effective focal length	1.38mm
Rear monochrome Electronic image stabilization	NA
Rear monochrome Focus mode	FF
Rear monochrome Optical image stabilization	N/A
Rear monochrome Auto focus	N/A
Material of protection glass	Corning GG7i
Zoom mode	10x optical zoom and 120x digital zoom supported
Rear Shooting mode	Photo, Video, Portrait, Night, Panorama, SLO-MO, Long Exposure, Dual-view video, TIME-LAPSE, STICKER, XPAN, HASSELBLAD HI-RES, Underwater, Master, Hypertext, DOC SCANNER, Pro Video, HASSELBLAD TELECONVERTER
Rear Shooting method	Touch the screen to take photos, Press the Volume button to take photos, Use virtual buttons to take photos, Countdown shooting
Flash light	Two rear LED lights with a single color temperature

Rear Video taking mode	<p>8K Basic Shooting: 30 fps 4K Basic Shooting: 120 fps, 60 fps, 30 fps 1080P Basic Shooting: 120 fps, 60 fps, 30 fps 720P Basic Shooting: 30 fps 4K Video Stabilized Shooting: 60 fps, 30 fps 1080P Video Stabilized Shooting: 60 fps, 30 fps 4K Slow Motion Video Shooting: 120 fps 1080P Slow Motion Video Shooting: 240 fps, 120 fps 720P Slow Motion Video Shooting: 480 fps, 240 fps 4K Time-Lapse Photography Shooting: 30 fps 1080P Time-Lapse Photography Shooting: 30 fps 4K Dolby Vision Shooting: 120 fps 60 fps, 30 fps 1080P Dolby Vision shooting: 120 fps, 60 fps, 30 fps Supports professional video recording Supports multi-scene video recording Supports HDR video recording Supports video zoom recording: up to 10x optical zoom, up to 30x digital zoom</p>
Rear Video format	Video format: MP4

Photo size (rear camera)	<p>wide angle: Max size: 16320×12256 (200MP mode) Photo sizes in different aspect ratios: 4080×3064 (4: 3) 3064×3064 (1: 1) 4080×1856 (full) 4080×2296 (16: 9) 4080×1506 (widescreen)</p> <p>ultrawide Max size: 8192×6144(50MP mode) Photo sizes in different aspect ratios: 4096*3072 (4: 3) 3072×3072 (1: 1) 4096*1864 (full) 4096×2304 (16: 9) 4096×1512 (widescreen)</p> <p>tele Max size: 16384×12288(200MP mode) Photo sizes in different aspect ratios: 4096*3072 (4: 3) 3072×3072 (1: 1) 4096*1864 (full) 4096×2304 (16: 9) 4096×1512 (widescreen)</p> <p>ultratele Max size: 8192×6144(50MP mode) Photo sizes in different aspect ratios: 4096*3072 (4: 3) 3072×3072 (1: 1) 4096*1864 (full) 4096×2304 (16: 9) 4096×1512 (widescreen)</p>
Rear Image format	JPG(default), HEIF, RAW
Burst photos	NA
Fill light for video shooting	Supported

Flicker Sensor	Supported
Rear macro Sensor ratio	N/A
Rear macro pixel size	N/A
Rear macro Sensor type	N/A
Rear macro Sensor size	N/A
Rear macro Number of pixels	N/A
Rear macro Sensor model	N/A
Rear macro Field of view	N/A
Rear macro Equivalent focal length	N/A
Rear macro Aperture	N/A
Rear macro Lens structure	N/A
Rear macro Effective focal length	N/A
Rear macro Electronic image stabilization	N/A
Rear macro Focus mode	N/A
Rear macro Optical image stabilization	N/A
Rear macro Auto focus	N/A
Rear telephoto Sensor ratio	4:3
Rear telephoto pixel size	0.61 um
Rear telephoto Sensor type	CMOS(16-in-1)
Rear telephoto Sensor size	1/1.28"

Rear telephoto Number of pixels	200MP
Rear telephoto Sensor model	OV OV52A
Rear telephoto Field of view	34°
Rear telephoto Equivalent focal length	70 mm
Rear telephoto Aperture	f/2.2
Rear telephoto Lens structure	Prism(OIS)+3P+3P(AF)
Rear telephoto Effective focal length	20.1mm
Rear telephoto Electronic image stabilization	Supports dual-axis EIS
Rear telephoto Focus mode	CDAF, PDAF, LDAF
Rear telephoto Optical image stabilization	Supports 4-axis OIS
Rear telephoto Auto focus	Supported
Maximum Aperture	f/1.5
Motion photo	Supports both front and rear
Oleophobic coating on protector film from manufacturer	Included
Screen protector type	TPU Film: hardened coating+PET+silicone
Oleophobic coating on screen	Included
Top bezel	1.40 mm
Bottom bezel	1.40 mm
Left and right bezels	1.40 mm

Diagonal Dimensions (Global)	6.82 inches
Diagonal Dimensions (India)	17.32 cm
Diagonal Dimensions (Vietnam)	6.82 inches
Aspect ratio	20:9
Screen-to-body ratio	94.6%
Touch sampling rate	Maximum 300Hz, Default 120Hz
Touch points	10 Points
Supplier	BOE
HDR (High Dynamic Range Imaging)	Supported
Contrast ratio	Maximum Static contrast ratio: 8000000:1(Typical), Maximum Dynamic contrast ratio: 18000000:1(Typical)
Brightness	Normal brightness: 800 nits(Typical) HBM: 1800 nits(Typical)
SCREEN Colors	1.07 billion colors(10-bit)
Color saturation	100% DCI-P3(Typical)
Color gamut	Standard mode: 100% DCI-P3 Natural mode: 100% DCI-P3 Colorful mode: 100% DCI-P3
Resolution	QHD+ 3168×1440 Pixels
Refresh rate	1-144Hz Adaptive, Maximum 144Hz
Pixels per inch (PPI)	510 PPI
Pixel arrangement	Magic arrangement
Dark mode	Supported
Low flicker eye protection function in low light	Supports Low flicker eye protection function in low light, Not Support ON/OFF Low flicker eye protection function in low light
Dimming mode	PWM+Class DC dimming(Brightness≤70 nits: PWM dimming; brightness>70 nits: Class DC dimming)
Eye comfort	Supported

Sunlight screen support	Supported
Screen selling point function	144Hz (Game Scene) , Min 1nit, 2K LTPO, Reduce white point, Eye comfort reminders, Motion cues, Eye comfort for gaming, Dark Color appearance model, sun display
Always On Display(AOD)	Supported
Earphone standards	N/A
In-ear monitoring	Supported
Noise cancellation	3-mic noise cancellation
Number of microphones	4
Number of speakers	2 Bottom of phone: 1510X double ring magnetic speakers top of phone: 1510X double ring magnetic speakers
Storage temperature	-20 °C to 45 °C (-4 °F to 113 °F)
Operating altitude	Up to 3000 meters (10000 feet) according to testing data
Operating temperature	0 °C to 35 °C (32 °F to 95 °F)
Relative humidity	5% to 95% (non-condensing)
Default Android version	Android 16
Default system version	ColorOS 16.0
OS apps-internet	Theme Store, Music, App Market, Internet, Lock Screen Magazine, Global Search, Secure Payment, Videos(System), HeyTap Cloud, Game Center,Game Assistant , Account Center, System Messages, Quick Apps, Shelper, Mobile Service Platform, DCS, Shelf, Wallet, Access Card
OS apps-apps	Clone Phone,Messages,Clock,Calendar,Contacts,My Files,Photos,Phone manager,Screen lock,Notes,Recorder,Weather,Calculator,Compass

OPPO Apps that can not be uninstalled	Theme Store, Music, App Market, Internet, Lock Screen Magazine, Global Search, Secure Payment, Videos(System), HeyTap Cloud, Game Assistant , Account Center, System Messages, Shelper, Mobile Service Platform, DCS, Shelf, Access Card,Quick Apps
OPPO Apps that can be uninstalled	Game Center, Wallet
Apps that can be uninstalled-Apps	Notes,Zen space,Clone Phone
Pre-installed Apps that can not be uninstalled-third-party	N/A

<p>Pre-installed Apps that can be uninstalled-third-party</p>	<p>APC: Facebook, Instagram, Linkedin, Netflix, Spotify</p> <p>EUEX: Aliexpress, Amazon Music, Amazon Shopping, Facebook, Instagram, Linkedin, Netflix, Spotify, Temu, Tik Tok</p> <p>ID: Agoda, Blibli, Facebook, Instagram, JoyGames, JTCargo, JT Express, Kompas, Linkedin, Netflix, Shopee, Snack Video, Spotify, Tik Tok, Vidio, Tomorrocoffee</p> <p>IN: Agoda, Facebook, Instagram, Linkedin, Netflix, Snapchat, Spotify</p> <p>MX: Aliexpress, Amazon Music, Amazon Shopping, Facebook, Instagram, Linkedin, Netflix, Spotify, Temu, Tik Tok</p> <p>MY: Agoda, Facebook, Instagram, IQIYI, Linkedin, Netflix, Shopee, Spotify, Tik Tok, Trip.com</p> <p>SG: Agoda, Amazon Shopping, Facebook, Instagram, IQIYI, Linkedin, Netflix, Shopee, Tik Tok, Trip.com</p> <p>TH: Agoda, Facebook, Instagram, IQIYI, Linkedin, Netflix, Spotify, Tik Tok</p> <p>TW: Agoda, Facebook, Instagram, Linkedin, Netflix, Tik Tok, Trip.com</p> <p>VN: Agoda, Baomoi, Facebook, Instagram, Linkedin, Netflix, Shopee, Spotify, Tik Tok, Zalo, Zing Mp3</p>
<p>Pre-installed third-party apps-apps</p>	<p>TR: Yandex Others: Gboard</p>
<p>Pre-installed third-party apps-internet</p>	<p>N/A</p>

<p>Pre-installed third-party apps-third-party</p>	<p>APC: Facebook, Instagram, Linkedin, Netflix, Spotify</p> <p>EUEX: Aliexpress, Amazon Music, Amazon Shopping, Facebook, Instagram, Linkedin, Netflix, Spotify, Temu, Tik Tok</p> <p>ID: Agoda, Blibli, Facebook, Instagram, JoyGames, JTCargo, JT Express, Kompas, Linkedin, Netflix, Shopee, Snack Video, Spotify, Tik Tok, Vidio, Tomorrocoffee</p> <p>IN: Agoda, Facebook, Instagram, Linkedin, Netflix, Snapchat, Spotify</p> <p>MX: Aliexpress, Amazon Music, Amazon Shopping, Facebook, Instagram, Linkedin, Netflix, Spotify, Temu, Tik Tok</p> <p>MY: Agoda, Facebook, Instagram, IQIYI, Linkedin, Netflix, Shopee, Spotify, Tik Tok, Trip.com</p> <p>SG: Agoda, Amazon Shopping, Facebook, Instagram, IQIYI, Linkedin, Netflix, Shopee, Tik Tok, Trip.com</p> <p>TH: Agoda, Facebook, Instagram, IQIYI, Linkedin, Netflix, Spotify, Tik Tok</p> <p>TW: Agoda, Facebook, Instagram, Linkedin, Netflix, Tik Tok, Trip.com</p> <p>VN: Agoda, Baomoi, Facebook, Instagram, Linkedin, Netflix, Shopee, Spotify, Tik Tok, Zalo, Zing Mp3</p>
<p>SIM card contacts import and export</p>	<p>OPPO: Supported Google: Follow Google</p>
<p>Contact file format</p>	<p>OPPO: vcard csv Google: Follow Google</p>

Contacts grouping	OPPO: Supported Google: Follow Google
Customized grouping	OPPO: Supported Google: Follow Google
Display background for incoming calls	OPPO dialer: Supported Google dialer: Follow Google
Display caller's profile picture	OPPO dialer: Supported Google dialer: Follow Google
Maximum number of contacts that can be saved	OPPO: Depending on the size of phone storage Google: Follow Google
Maximum capacity of Contact blocklist	OPPO: Depending on the size of phone storage Google: Follow Google
Single pass/double pass	Dual SIM dual standby dual pass (some RATs/bands supports dual pass): 5G+5G, 5G+4G, 4G+5G
Answering phone calls using earphones	Supported
Video Call	Supported
Maximum number of call logs	OPPO: 6000 Google: Follow Google
Voice call solution	If VoNR is activated, it is VoNR, If VoLTE is activated, it is VoLTE, If VoNR is not activated, it is CSFB
Quick dial	OPPO: Supported Google: Follow Google
Call recording	Google dialer :follow Google Oppo dialer: support Note: This feature is geographically dependent and must be verified locally at the target location (e.g., if the shipping destination is India, verification must be conducted in India).

Storage location for call recordings	Google dialer:follow google oppo dialer:File Manager - All files - Music - Recordings-Call Recordings
Call recording format	Google dialer:follow google Oppo dialer MP3
Automatic call recording	Google dialer; follow Google Oppo dialer: support Note: This feature is geographically dependent and must be verified locally at the target location (e.g., if the shipping destination is India, verification must be conducted in India).
Number of MMS messages that can be stored	OPPO: Depending on the size of phone storage Google: Follow Google
Capacity for one MMS message	OPPO: Follow sim card Google: Follow Google
Timed messages	OPPO: Unsupported Google: Follow Google
Messages import and export	OPPO: Unsupported Google: Follow Google
Maximum capacity of Message blocklist	OPPO: Depending on the size of phone storage Google: Follow Google
Maximum number of recipients for group SMS messages	OPPO: 200 Google: Follow Google
SMS capacity	OPPO: Depending on the size of phone storage Google: Follow Google
SMS character limit	OPPO: 1530 English characters (Chinese characters will be less than 1530 due to encoding reasons). If exceeds 1530,it will be converted to MMS Google: Follow Google
FM radio	Unsupported

NFC functions	<p>Supports reading and writing NFC cards (13.56MHz NFC cards)</p> <p>Supports NFC-SIM (in SIM1 slot)</p> <p>Supports HCE payment</p> <p>Supports Google Wallet</p> <p>Supports HCE access cards (supported regions: Thailand, Indonesia, Malaysia, Philippines, Vietnam, Singapore, Myanmar, Cambodia, Laos, Hong Kong, Mexico, Brazil, Saudi Arabia, Bahrain, Kuwait, Qatar, Oman, United Arab Emirates, Egypt)</p>
Share network via Bluetooth	Supported
Bluetooth audio specifications	SBC, AAC, aptX, aptX HD, aptX Adaptive, LDAC, LHDC5.0
Supported Bluetooth protocols	HFP, HSP, A2DP, AVRCP, HID, PAN, OPP, MAP, PBAP, GATT
Maximum data rate (theoretical)	5.7 Gbps
Dual Wi-Fi	Supported
DLNA	Supported
Wi-Fi (Antenna)	<p>Wi-Fi 7 (802.11be) Supported</p> <p>Wi-Fi 6 (802.11ax) Supported</p> <p>Wi-Fi 5 (802.11ac) Supported</p> <p>802.11a/b/g/n Supported</p> <p>Wi-Fi Display Supported</p> <p>WLAN Tethering Supported</p> <p>Wi-Fi 2.4GHz 2x2+Wi-Fi 5GHz 2x2 concurrent Supported</p> <p>Wi-Fi 5GHz 160MHz Supported</p> <p>Wi-Fi 6GHz 320MHz Supported</p> <p>2x2 MIMO Supported</p>
Wi-Fi frequency	2.4GHz, 5GHz, 6GHz
Personal hotspot/Wi-Fi hotspot	Supported

Maximum number of devices that can be connected to a hotspot	10
4G uplink/downlink rate	Uplink: 200 Mbps Downlink: 2000 Mbps
5G uplink/downlink rate	Uplink: 1800 Mbps Downlink: 6400 Mbps
2G network	Supports 2G
3G network	Supports 3G
4G+ network	Supports 4G+
4G network	Supports 4G
5G network	Supports 5G
Satellite call	Unsupported
5G network mode (dual mode)	SA/NSA dual mode
HD Voice	Supports HD voice call
Link boost-communicate	High-speed rail mode, Elevator mode
LTE Cat	UL cat 18, 200 Mbps DL cat 20, 2000 Mbps
LTE antennas and radio frequency technology	4×4 MIMO: Band 1/2/3/4/7/25/38/39/40/41/42/66 Other Band: 2×2 MIMO Supports 4×4 MIMO Antenna technology HPUE HO RxD
VoLTE	Supported
VoWiFi	Supported
Dual 5G display	Unsupported
Dual carrier aggregation	4G & 5G Supported
Carriers that support VoLTE	It depends on the operator's supported
Communication Chip	N/A
IPv6	Supported

Frequency band (Open Market)	GSM: 850/900/1800/1900MHz CDMA: N/A WCDMA: Band 1/2/4/5/6/8/19 LTE FDD: Band 1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/32/66/71 LTE TDD: Band 38/39/40/41/42 5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n26/n28/n38/n40/n41/n66/n71/n75/n77/n78/n79
Frequency band (Bengal)	GSM: N/A CDMA: N/A WCDMA: N/A LTE FDD: N/A LTE TDD: N/A 5G NR: N/A
Frequency band (Indonesia)	GSM: 900/1800MHz WCDMA: 900/2100MHz LTE FDD: Band 1/3/5/8 LTE TDD: Band 40 5G NR: n1/n3/n5/n8/n40
Data service	GPRS, EDGE, HSPA+, WCDMA, TD-LTE, LTE FDD, NSA, SA
Network mode	GSM,WCDMA,TD-LTE,NR SA,NR NSA,LTE FDD
Frequency bands supported	NA
Dual SIM	Insert a non-CDMA SIM card, any combination of dual cards, any card can be used as an Internet card
Google Lens	Supported
Music widget	Unsupported
Mobile screencast	Supported
Ending calls with Power button	Supported

Third-party app widget	Supported
Cross-Device Transfer	Unsupported
Office tools	Support pre-installed WPS document reader, permit installed third-party office tools
App lock	Supported
Third-party input method	Supported
Email	Supported
Kid Space (Guest mode)	Supported
Split screen mode	Supported
Incoming call banner	Supported
Step counting	Supported
Screen recording	Supported
Format of audio recordings	MP3,AAC,WAV
Firewall/Block & filter	OPPO: Supported Google: Follow Google
Clock widget	Supported
World clock	Supported
Video editing options	Trim, Music, Text, Adjust, Filter, Frame
OSIE visual effect	support
Whether simplified OS version	NO
Flashlight	Supported
Gestures & motions	Screen-off gestures, Lift to ear to answer calls, Raise to wake, 3-finger screenshot, Air gesture
Data backup and restore	Supported
Weather widget	Supported
Image editing function	AI Editor,Crop & rotate,Adjust,Filter,Markup,Text,Watermark,Pixelate,Retouch,Stickers
Always-On Display	Supported
System separation	Supported

Mini window mode/Playing videos in floating window	Supported
Game voice changer	Supported
Game acceleration (Mainstream apps)	Unsupported
Game Space	N/A
Games assistant	Supported
Voice wake-up	Supports Screen off voice wake-up
Compass	Supported
Resetting password using fingerprint	Unsupported
Pre-installed radio	Unsupported
Recently deleted (Album recycle bin)	Supported
Widevine encrypted video	L1 and L3
App cloner	Supported
App lock method	Numeric, Alphanumeric password, Pattern, Fingerprint, Face
Game support	<p>PUBG Mobile: highest image quality smooth, highest frame rate extreme, Will be opened in middle September, with next Game Version.</p> <p>Honor of King: highest image quality smooth, highest frame rate extreme, Will be opened in middle September, with next Game Version.</p> <p>Video recording: do not support king moment, do not support free screen recording,</p>
Wired projection screen	Supports DP protocol(use Type C to HDMI adapter for wired casting)

Ringtone format	MP3, AAC, AMR, APE, OGG, FLAC, WAV, MIDI
Private Safe (file lock)	Supported
File compression and extraction	Supported
System file format	f2fs, erofs, ext4, overlay, vfat, fuse
Hall induction	Unsupported
Cross-screen interconnection	Supported
Bank cards	N/A
Access cards	Supported
Transit cards	Unsupported
eID	Unsupported
Video format	MP4, 3GP, MKV, MOV, HEVC, AVC, VP9, VP8, AV1, WEBM, TS, M2TS
Audio format	MP3, AAC, AMR, APE, OGG, FLAC, WAV, MIDI
Image format	JPEG, BMP, PNG, DNG, HEIF, AVIF, WEBP, GIF, WBMP, ICO
Supported document formats (for viewing purpose)	.dot,.txt,.doc,.docx,.xls,.xlsx,.ppt,.pptx,.pdf.wpt
Face recognition	Supported
Fingerprint	Fingerprint categories: Under-screen fingerprint Principle of fingerprint: Ultrasonic fingerprint Fingerprint technology: Ultrasonic fingerprint
Face unlock time	Screen off unlock time: 480 ms Screen on unlock time: 370 ms
Fingerprint unlock time	230 ms
Face recognition payment	Alipay: Supported WeChat: Unsupported
Fingerprint payment	Alipay: Supported WeChat: Supported

Satellite positioning	GPS(L1+L5), BeiDou(B1I+B1C+B2a), Galileo(E1+E5a), QZSS(L1+L5), NavIC(L5)
Other positioning	Supported: A-GNSS assisted positioning, WLAN positioning, Cellular network positioning
Camera features	Hasselblad co-branded, Optical stabilization, Periscope, Live Photo
Screen Type (Material of screen)	AMOLED flexible screen
Display features	CP Certified, HDR Vivid Certified, SGS (low blue light, low Motion Blur) Certified, HDR10+, TÜV Rheinland Intelligent Eye Care 5.0
Important tips	In order to make the front of the phone more compact, the light sensor hole is hidden at the top of the screen. Screen protectors with poor light transmission, such as those that are colored or darkened, may block the light sensor hole and affect the normal use of the phone.
EPREL QR code	
Repeated free fall reliability test - falls without defect [n]	180
Repeated free fall reliability test - falls without defect, tested in fully extended state [n]	N/A
Disassembly Depth (SDD) score	1.55
Fasteners (type) score (SF)	5.00
Tools (type) score (ST)	3.55
Spare Part score (SSP)	5.00
Software Updates (duration) score (SSU)	3.00

Repair Information score (SRI)	5.00
final voltage for battery endurance in cycles test [V]	2.9
screen scratch resistance	5-6
Minimum guaranteed availability of operating system security updates, corrective updates and functionality updates	six
Battery endurance per cycle (ENDdevice[h])	72.1