FutureProof: A thorough analysis on Smartphone’s overall based-performance for Francis Candelaria’s Future Smartphone pick for 2023.

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2023

To start off with the recommendations, I would like to first, imply the following terms or words which will be seen on some of the information regarding the smartphone specifications and all of it are my own explanation and understanding:

* **OIS** – Optical Image Stabilization, this technology is often seen in flagship models with their corresponding camera hardware. This is the cause of solid stabilization in video recording and even for the photography (helps a lot when you are trying to capture something and your hands are little bit shaky)
* **EIS** – Electronic Image Stabilization, This tech is like the downgraded version of EIS, this is not a hardware but more of a software build within the camera hardware. This is also great for stabilizing videos and photography but expect the videos to be more cropped-like output since it is the software trying to remove the excess frame of the video to remove the shakiness from your recorded film. This is different from OIS since OIS is a hardware, and EIS is more of a software camera feature.
* **Under-Display Fingerprint** – Under display fingerprints are to be honest, the main branding for “Futuristic” smartphones, this is a type of biometric security technology which uses fingerprint scanners underneath the glass screen of your smartphones directly synchronizing in the lcd itself. Please take note that Under display fingerprints are only used in Screens like (1) Oled, (2) P-Oled (3) All amoled displays. And for me, under display fingerprints is a very good indication that the phone is in good condition, because if the supposed 2nd hand phone doesn’t have its original fingerprint display which the seller might say “Fingerprint lost due to update” then no, they are lying to you. That means that the LCD is faulty or has been replaced.
* **5g** – This is the real “Future proof” of all smartphones, why? Because 5g is on their way, fast internet and stable connections are months or maybe years away from us, sure 5g isn’t that really strong in this country yet, but at least when it does, your phone will be ready to use it. The only downside in 5g though is that it requires more battery power, so yeah, if you want a 5g phone, expect it to drain some of those juice in your battery and be wise on picking your battery specification.
* **Burn**-In – This is often seen in Oled and Amoled screens in 2nd hand or even brand new, this is caused by often maxing out the brightness in our smartphones, so beware, this can be seen by using burn in checker apps, or you can see it manually, for example you use facebook, the facebook logo has a blue color, right? Now exit the app and look at the home screen, you can still see the color blue. No matter what you do, even you close your phone and open it again or leave it for an hour or even a day, the mark will be there, it is a very pain in the ass if you ask me.
* **Screen retention** – This is just like burn in in screens of smartphones, often seen in LCD or IPS LCD screens. Unlike amoled burn in, the marks will leave if you turn off your screen after a minute or two, it is much of a small problem rather than having a permanent markings from amoled or oled screen in-burns.

**Introduction**

To have that proper smartphone this 2023, there are some major things in specifications that I would like to propose to you, and that is you should look in the capabilities of the phone and avoid gimmicks and fancy features that doesn’t apply to real-world use. Yes you can argue that newer and bolder phones of 2023 are in the rise with their promising 6000mAh batteries or even jaw-dropping 100 megapixels in camera, but ask yourself, are those really what you are looking for in a phone? And most importantly, is it really functional as it was advertised? This is why I created this analysis, to ensure that you will have that phone that you really wanted to, a smartphone that will make sure put a smile on your face as you are using it.

Mobile phone brands such as Xiaomi, Realme, Oppo and Vivo are one of the main manufacturing companies that are creating mobile phones in a monthly basis, this is a problem if you look at it, for example, I bought the newest Poco (a sub-brand of Xiaomi just like Blackshark and Redmi) which is the Poco F4 for 23k, yes it is worth it, until you realized that they will once again sell a new phone after 2 months with a much greater spec sheets, but with the same price as your Poco f4, isn’t that frustrating? This is why in this analysis, I will only include phones that are a great choice based on your price range, with their camera capabilities, their software outputs, and even their real-world use.

**Brief note before the recommendation**

Please take note that I will be making a 2 categories between the price range, first is the below 8k price range and the other one will be ranging from 11k to 9k minimum.

I will also create a top-pick based from the list that I provided, arranging them in categories such as:

* Best Camera
* Best for Gaming
* Best for Battery life
* Best of the Best

Now that I have cleared everything, let’s go ahead and introduce our beautiful smartphone contenders in this analysis. Shall we?

**5-8k Recommended Mobile Phones**

1. Xiaomi Mi 9t Pro/ Redmi k20 pro

Specs:

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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/xiaomi_mi_9t_pro-9791.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2019, August 21 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2019, August 21 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/xiaomi_mi_9t_pro-9791.php) | 156.7 x 74.3 x 8.8 mm (6.17 x 2.93 x 0.35 in) |
| [**Weight**](https://www.gsmarena.com/xiaomi_mi_9t_pro-9791.php) | 191 g (6.74 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass 5), glass back (Gorilla Glass 5), aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Dual SIM (Nano-SIM, dual stand-by) |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | Super AMOLED, HDR |
| [**Size**](https://www.gsmarena.com/xiaomi_mi_9t_pro-9791.php) | 6.39 inches, 100.2 cm2 (~86.1% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2340 pixels, 19.5:9 ratio (~403 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 5 |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 9.0 (Pie), upgradable to Android 11, MIUI 12.5 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Qualcomm SM8150 Snapdragon 855 (7 nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (1x2.84 GHz Kryo 485 & 3x2.42 GHz Kryo 485 & 4x1.78 GHz Kryo 485) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Adreno 640 |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | No |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 64GB 6GB RAM, 128GB 6GB RAM, 256GB 8GB RAM |
|  | UFS 2.1 |

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| **MAIN CAMERA** | [**Triple**](https://www.gsmarena.com/glossary.php3?term=camera) | 48 MP, f/1.8, 26mm (wide), 1/2.0", 0.8µm, PDAF, Laser AF 8 MP, f/2.4, 53mm (telephoto), 1/4.0", 1.12µm, PDAF, 2x optical zoom 13 MP, f/2.4, 12mm (ultrawide), 1/3.1", 1.12µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | Dual-LED flash, HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@30/60fps, 1080p@30/120/240fps, 1080p@960fps |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | Motorized pop-up 20 MP, f/2.2, (wide), 1/3.4", 0.8µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 1080p@30fps |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | 24-bit/192kHz audio |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, A2DP, LE, aptX HD |
| [**Positioning**](https://www.gsmarena.com/glossary.php3?term=gnss) | GPS (L1+L5), GLONASS (G1), BDS (B1), GALILEO (E1+E5a) |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | Yes |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C 2.0, OTG |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass |
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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 4000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | 27W wired, QC4 |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Carbon black, Red flame, Glacier blue |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | M1903F11G |
| [**SAR**](https://www.gsmarena.com/glossary.php3?term=sar) | 1.03 W/kg (head)     0.72 W/kg (body) |
| [**SAR EU**](https://www.gsmarena.com/glossary.php3?term=sar) | 1.30 W/kg (head)     1.51 W/kg (body) |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | [€ 416.61 / £ 439.00](https://www.gsmarena.com/xiaomi_mi_9t_pro-price-9791.php) |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 368846 (v7), 437823 (v8) GeekBench: 10684 (v4.4), 2732 (v5.1) GFXBench: 36fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: Infinite (nominal)](https://www.gsmarena.com/xiaomi_redmi_k20_pro-review-1973p3.php#dt) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-26.9 LUFS (Good)](https://www.gsmarena.com/xiaomi_redmi_k20_pro-review-1973p3.php#lt) |
| [**Audio quality**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -93.9dB / Crosstalk -94.2dB](https://www.gsmarena.com/xiaomi_redmi_k20_pro-review-1973p3.php#aq) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 103h](https://www.gsmarena.com/xiaomi_mi_9t_pro-9791.php) |

2nd hand price range is between 5k (Lucky) to 7k to 8k.

No 5g, but has underdisplay fingerprint, has Super Amoled so you have to check first or ask the seller for potential burn-in markings.

PROS:

Under display fingerprint

Great camera

2019 flagship chipset

Good and average Battery

Android 11 support

Has 3.5mm Jack for earphones

CONS:

No 5g connection

Verdict: This is a great phone, 6gb ram and 128gb rom is a great choice, if you’re lucky enough, I hope you find the 8gb ram with 256gb rom as its one of the bst choice for this variant. Back in 2020 this phone was my number 1 choice for smartphones under 8k, it was 10k at the time so I can’t afford it, but yeah, this will be a smart choice, but considering the lack of 5g and the average snapdragon 855 chipset, its an average phone for me now. As for gaming, please do note that

I will be only recommending smartphones that will have a performance higher or even par with snapdragon 845, and with this chipsets, gaming will not be a problem for you.

8/10

2. Huawei Nova 5t

Graphical user interface, application

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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / HSPA / LTE](https://www.gsmarena.com/huawei_nova_5t-9803.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2019, August 27 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2019, September 05 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/huawei_nova_5t-9803.php) | 154.3 x 74 x 7.8 mm (6.07 x 2.91 x 0.31 in) |
| [**Weight**](https://www.gsmarena.com/huawei_nova_5t-9803.php) | 174 g (6.14 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front, glass back, aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Dual SIM (Nano-SIM, dual stand-by) |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | IPS LCD |
| [**Size**](https://www.gsmarena.com/huawei_nova_5t-9803.php) | 6.26 inches, 96.2 cm2 (~84.2% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2340 pixels, 19.5:9 ratio (~412 ppi density) |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 9.0 (Pie), upgradable to Android 10, EMUI 10 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Kirin 980 (7 nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (2x2.6 GHz Cortex-A76 & 2x1.92 GHz Cortex-A76 & 4x1.8 GHz Cortex-A55) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Mali-G76 MP10 |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | No |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128GB 6GB RAM, 128GB 8GB RAM |
|  | UFS 2.1 |

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| **MAIN CAMERA** | [**Quad**](https://www.gsmarena.com/glossary.php3?term=camera) | 48 MP, f/1.8, 28mm (wide), 1/2.0", 0.8µm, PDAF 16 MP, f/2.2, 13mm (ultrawide), 1/3.1" 2 MP, f/2.4, (macro) 2 MP, f/2.4, (depth) |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@30fps, 1080p@30/60fps; gyro-EIS |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 32 MP, f/2.0, 26mm (wide), 1/2.8", 0.8µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 1080p@30fps, gyro-EIS |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | No |
|  | 32-bit/192kHz audio |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, A2DP, aptX HD, LE |
| [**Positioning**](https://www.gsmarena.com/glossary.php3?term=gnss) | GPS (L1+L5), GLONASS (L1), BDS (B1), GALILEO (E1+E5a), QZSS (L1+L5) |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | No |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C 2.0, OTG |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (side-mounted), accelerometer, gyro, proximity, compass |
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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 3750 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | 22.5W wired, 50% in 24 min (advertised) |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Black, Crush Blue, Midsummer Purple, Crush Green |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | YAL-L21, YAL-L61, YAL-L71, YAL-L61D |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | About 340 EUR |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 313024 (v7), 395503 (v8) GeekBench: 10013 (v4.4), 2504 (v5.1) GFXBench: 29fps (ES 3.1 onscreen) |

2nd price for this phone is ranging from 4k(Lucky) up to 8k(max, but there’s a lot of this phone ranging from 5k to 7k only, be wise)

This phone is such a beast!! I’m telling you, you couldn’t go wrong with nova 5t. As for its battery? Its not a fuckin problem as you can upgrade its battery in Caloocan victory mall, pm me if you want, I know a tech that can upgrade its battery from 3700mAh to straight up 4000mAh or 4,500mAh for just 1000 pesos including the labor! I have one of this phone and I’m telling you, it’s a great all rounder.

Pros:

Amazing camera with great stabilization (EIS)

Good for gaming(But if you’re into fps games, it will depend as the size of the screen is not that big, more compact if you ask me)

Flagship chipset (Kirin 980)

Amazing sound

Great display (IPS LCD, you don’t have to worry about burn-ins)

Optimized battery life

With GOOGLE services

Cons:

Side mounted fingerprint (Not in the display but in the power button)

No 5g(Not futureproof)

Only 3,700mAh battery

Verdict: This phone, I love this phone so much, haha. But I have to be professional so yeah. The gaming experience is amazing with this one, no hiccups, no lags, you can do everything with this phone. The only problem with it was the battery, for me it needs more juice, although I told you that you can upgrade it, it might be worrisome for you since you need the hassle to go to a tech to upgrade it. Camera is amazing, but don’t expect too much. Gaming experience might depend since if you like big screens, then this is not for you. Overall, a very solid phone, with a Kirin 980 chipset, this chipset is on par with Snapdragon 855 so expect a beast chipset or gaming experience and even browsing experience with this phone.

8.5/10

3 and 4. LGV50 and LGV50s

A picture containing text, electronics, monitor, different

Description automatically generated

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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / CDMA / HSPA / EVDO / LTE / 5G](https://www.gsmarena.com/lg_v50_thinq_5g-9607.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2019, February 24 |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2019, April 19 |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/lg_v50_thinq_5g-9607.php) | 159.2 x 76.1 x 8.3 mm (6.27 x 3.00 x 0.33 in) |
| [**Weight**](https://www.gsmarena.com/lg_v50_thinq_5g-9607.php) | 183 g (6.46 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass 5), glass back (Gorilla Glass 6), aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Dual SIM (Nano-SIM, dual stand-by) |
|  | IP68 dust/water resistant (up to 1.5m for 30 mins) MIL-STD-810G compliant\* \*does not guarantee ruggedness or use in extreme conditions |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | P-OLED, HDR10 |
| [**Size**](https://www.gsmarena.com/lg_v50_thinq_5g-9607.php) | 6.4 inches, 100.2 cm2 (~82.7% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1440 x 3120 pixels, 19.5:9 ratio (~538 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 5 |
|  | Always-on display |

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| --- | --- | --- |
| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 9.0 (Pie), upgradable to Android 11 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Qualcomm SM8150 Snapdragon 855 (7 nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (1x2.84 GHz Kryo 485 & 3x2.42 GHz Kryo 485 & 4x1.78 GHz Kryo 485) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Adreno 640 |

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| --- | --- | --- |
| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSDXC (dedicated slot) |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 128GB 6GB RAM |
|  | UFS 2.1 |

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| --- | --- | --- |
| **MAIN CAMERA** | [**Triple**](https://www.gsmarena.com/glossary.php3?term=camera) | 12 MP, 27mm (wide), f/1.5, 1/2.55", 1.4µm, dual pixel PDAF, 3-axis OIS 12 MP, 52mm (telephoto), f/2.4, 1/3.4", 1.0µm, 2x optical zoom, PDAF, OIS 16 MP, 16mm (ultrawide), f/1.9, 1/3.1", 1.0µm, no AF |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | LED flash, HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@30/60fps, 1080p@30/60/240fps, 24-bit/192kHz stereo sound rec., HDR10 video, gyro-EIS |

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| **SELFIE CAMERA** | [**Dual**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 8 MP, f/1.9, 26mm (wide), 1/4", 1.12µm 5 MP, 21mm (wide), f/2.2, 1/5", 1.12µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 1080p@60fps |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes, with stereo speakers |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | 32-bit/192kHz audio 24-bit/192kHz audio recording Tuned with Meridian Audio |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, DLNA |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, A2DP, LE, aptX HD |
| [**Positioning**](https://www.gsmarena.com/glossary.php3?term=gnss) | GPS, GLONASS, GALILEO |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | FM radio |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C 3.1 |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (rear-mounted), accelerometer, gyro, proximity, compass, barometer |
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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 4000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | 18W wired, PD2.0, QC3, 50% in 36 min (advertised) 10W wireless (Qi) |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | New Aurora Black |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | LM-V500, LM-V500N, LM-V500EM, LM-V500XM, LM-V450PM, LM-V450 |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | About 550 EUR |

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| **TESTS** | [**Performance**](https://www.gsmarena.com/glossary.php3?term=benchmarking) | AnTuTu: 343758 (v7), 421934 (v8) GeekBench: 10928 (v4.4), 2672 (v5.1) GFXBench: 22fps (ES 3.1 onscreen) |
| [**Display**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p2.php) | [Contrast ratio: 194000:1 (nominal)](https://www.gsmarena.com/lg_v50_thinq_5g-review-2047p4.php#dt) |
| [**Camera**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p5.php) | [Photo](https://www.gsmarena.com/piccmp.php3?idType=1&idPhone1=9607&nSuggest=1) / [Video](https://www.gsmarena.com/vidcmp.php3?idType=3&idPhone1=9607&nSuggest=1) |
| [**Loudspeaker**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p7.php) | [-25.2 LUFS (Very good)](https://www.gsmarena.com/lg_v50_thinq_5g-review-2047p4.php#lt) |
| [**Audio quality**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p4.php) | [Noise -92.5dB / Crosstalk -92.6dB](https://www.gsmarena.com/lg_v50_thinq_5g-review-2047p4.php#aq) |
| [**Battery life**](https://www.gsmarena.com/gsmarena_lab_tests-review-751p6.php) | [Endurance rating 96h](https://www.gsmarena.com/lg_v50_thinq_5g-9607.php) |

LGV50s A group of cell phones

Description automatically generated with medium confidence

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| **NETWORK** | [**Technology**](https://www.gsmarena.com/network-bands.php3) | [GSM / CDMA / HSPA / EVDO / LTE / 5G](https://www.gsmarena.com/lg_v50s_thinq_5g-9906.php) |
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| **LAUNCH** | [**Announced**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | 2019, October |
| [**Status**](https://www.gsmarena.com/glossary.php3?term=phone-life-cycle) | Available. Released 2019, October |

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| **BODY** | [**Dimensions**](https://www.gsmarena.com/lg_v50s_thinq_5g-9906.php) | 159.3 x 75.8 x 8.4 mm (6.27 x 2.98 x 0.33 in) |
| [**Weight**](https://www.gsmarena.com/lg_v50s_thinq_5g-9906.php) | 192 g (6.77 oz) |
| [**Build**](https://www.gsmarena.com/glossary.php3?term=build) | Glass front (Gorilla Glass 5), glass back (Gorilla Glass 6), aluminum frame |
| [**SIM**](https://www.gsmarena.com/glossary.php3?term=sim) | Single SIM (Nano-SIM) or Hybrid Dual SIM (Nano-SIM, dual stand-by) |
|  | IP68 dust/water resistant (up to 1.5m for 30 mins) MIL-STD-810G compliant\* \*does not guarantee ruggedness or use in extreme conditions |

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| **DISPLAY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=display-type) | OLED, HDR10 |
| [**Size**](https://www.gsmarena.com/lg_v50s_thinq_5g-9906.php) | 6.4 inches, 100.5 cm2 (~83.3% screen-to-body ratio) |
| [**Resolution**](https://www.gsmarena.com/glossary.php3?term=resolution) | 1080 x 2340 pixels, 19.5:9 ratio (~403 ppi density) |
| [**Protection**](https://www.gsmarena.com/glossary.php3?term=screen-protection) | Corning Gorilla Glass 5 |
|  | Always-on display |

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| **PLATFORM** | [**OS**](https://www.gsmarena.com/glossary.php3?term=os) | Android 9.0 (Pie), upgradable to Android 12 |
| [**Chipset**](https://www.gsmarena.com/glossary.php3?term=chipset) | Qualcomm SM8150 Snapdragon 855 (7 nm) |
| [**CPU**](https://www.gsmarena.com/glossary.php3?term=cpu) | Octa-core (1x2.84 GHz Kryo 485 & 3x2.42 GHz Kryo 485 & 4x1.78 GHz Kryo 485) |
| [**GPU**](https://www.gsmarena.com/glossary.php3?term=gpu) | Adreno 640 |

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| **MEMORY** | [**Card slot**](https://www.gsmarena.com/glossary.php3?term=memory-card-slot) | microSDXC (uses shared SIM slot) - dual-SIM model |
| [**Internal**](https://www.gsmarena.com/glossary.php3?term=dynamic-memory) | 256GB 8GB RAM |
|  | UFS 2.1 |

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| **MAIN CAMERA** | [**Dual**](https://www.gsmarena.com/glossary.php3?term=camera) | 12 MP, f/1.8, 27mm (standard), 1/2.55", 1.4µm, Dual pixel PDAF, OIS 13 MP, f/2.4, 9mm (ultrawide), 1/3.4", 1.0µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=camera) | Dual-LED dual-tone flash, HDR, panorama |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=camera) | 4K@30/60fps, 1080p@30/60/240fps, 24-bit/192kHz stereo sound rec., gyro-EIS |

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| **SELFIE CAMERA** | [**Single**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 32 MP, f/1.9, 26mm (wide), 1/2.8", 0.8µm |
| [**Features**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | HDR |
| [**Video**](https://www.gsmarena.com/glossary.php3?term=secondary-camera) | 4K@30fps, gyro-EIS |

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| **SOUND** | [**Loudspeaker**](https://www.gsmarena.com/glossary.php3?term=loudspeaker) | Yes, with stereo speakers |
| [**3.5mm jack**](https://www.gsmarena.com/glossary.php3?term=audio-jack) | Yes |
|  | 32-bit/192kHz audio 24-bit/192kHz audio recording Tuned by Meridian Audio |

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| **COMMS** | [**WLAN**](https://www.gsmarena.com/glossary.php3?term=wi-fi) | Wi-Fi 802.11 a/b/g/n/ac, dual-band, Wi-Fi Direct, DLNA |
| [**Bluetooth**](https://www.gsmarena.com/glossary.php3?term=bluetooth) | 5.0, A2DP, LE, aptX HD |
| [**Positioning**](https://www.gsmarena.com/glossary.php3?term=gnss) | GPS, GLONASS, GALILEO, BDS |
| [**NFC**](https://www.gsmarena.com/glossary.php3?term=nfc) | Yes |
| [**Radio**](https://www.gsmarena.com/glossary.php3?term=fm-radio) | FM radio |
| [**USB**](https://www.gsmarena.com/glossary.php3?term=usb) | USB Type-C 3.1, OTG |

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| **FEATURES** | [**Sensors**](https://www.gsmarena.com/glossary.php3?term=sensors) | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass, barometer |
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| **BATTERY** | [**Type**](https://www.gsmarena.com/glossary.php3?term=rechargeable-battery-types) | Li-Po 4000 mAh, non-removable |
| [**Charging**](https://www.gsmarena.com/glossary.php3?term=battery-charging) | 21W wired, PD, QC3 9W wireless |

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| **MISC** | [**Colors**](https://www.gsmarena.com/glossary.php3?term=build) | Aurora Black |
| [**Models**](https://www.gsmarena.com/glossary.php3?term=models) | LM-V510N |
| [**Price**](https://www.gsmarena.com/glossary.php3?term=price) | About 1100 EUR |

2nd price for both of these phones are here:

Lgv50: 5k – 7k

Lgv50s- 7k-8k(some may sell it at a much higher price

This is a very good phone, both v50 and v50s has the snapdragon 855 chipset so expect this phone to be a beast in terms of gaming, the screen as well is average its not too big and not too small. The biggest thing for this is the 5g connection, but hephephep!!

The thing is, I witnessed how to use and operate this phone first hand. If you have bought the Korean version, then you need a computer to manually update the phone bandwith to activate the 5g, if not Korean variant then there’s no problem.

The thing that I love from this phone?? Fuck, the cameras are so sick!! Like, dayumm, the Lgv50/50s are fucking amazing in terms of gaming and camera!! Like dude, pm me if you want to see some sample shots, its like Iphone 12 pro max! The quality is there and the dynamic range of the phone is amazing.

Pros: LGV50

-5g

-Fantastic camera

-Flagship processor chipset (Snapdragon 855)

-has .5mm jack for earphones and this phone is considered to be a gear (phone for using in something) in audiophiles (Music critique)

-great battery life

-good for gaming

Cons:

* Not sure if the 5g is already set up, or you need to set it up if you bought the Korean variant
* Back of the phone fingerprint (Rear mounted) (it depends on the user preference)

LgV50s

The pros are just the same with lgv50 but here’s another thing to consider

Additional Pros:

* The internal storage is 256gb!!!
* Has an underdisplay fingerprint
* Much more compact phone to use

As for the cons, it’s the same, just exclude the fingerprint placement, but here’s another thing.

Additional cons:

* I have read from some reviews that the underdisplay fingerprint from v50s are lacking, its not that fast to recognize the fingerprint biometrics and such, so yeah. But again, this is just based from a single review.

Verdict: Okay, so these two are basically the same, its just that the v50s is more futuristic in terms of the 256gb rom and the under display. But spec wise, it’s the same phone that has the same image processing software and display. But if you ask me, in terms of spec sheets, I would prefer the V50s, but in overall aesthetics excluding the fingerprint behind the phone, I would use the v50 alone. Both are great in gaming, surfing streaming etc. Very outstanding indeed. Especially it has a 5g connection, yes the manual configuration might be troublesome, but hey, it’s a 5g phone! That’s future proof!

9/10

To be honest, this list is really hard to make than I ever imagined it to be. I have looked upon smartphones that I thought would be much more inclined within the budget, but too bad I haven’t find any. For example, I thought that the Poco X3 pro might be a great pick, but no.

Why I did not include Poco X3/X3pro in this list? One explanation: DEADBOOT. Yes, deadboot. You see, Poco X3 pro is probably the best contender in the below 8k segment, but I would never recommend a phone that has a software issue. You see, Poco X3 pro was first introduced in the country with a selling point of 14k and above, the very first price range for even the X3 alone, not x3 pro, was at the price of 9k-10. I know this because I really wanted the X3 before I was planning to buy a phone. But now? The price range for the X3 PRO is below 8k now! Now think how much would be the x3 version might price? Below 6k. Yep, that little.

You see, the reason why the sudden drop of the price is relatively easier to understand. These consumers of the new gen of poco or xiaomi are worried that their phone might die in any moment. A lot of poco, redmi, xiaomi users know that if their phone might end up in a dire situation, lets say overheating, been dropped, they know that it’ll break EASILY. Esp with the software bugs, THE DEADBOOT one of course. This happens in Poco X3 pro and F series A LOT. And I mean A LOT.

So yeah, I wouldn’t recommend a phone so cheap (yes, phone under 10k are cheap we know that, but even so its not really cheap, hear me out ahaha) The phone was cheap but it demands so much care? Like? Come on, even oppo a5s which is an entry level phone can outdo the software stability test against these new phones.

I don’t want to disappoint you that’s why these are handpicks by me, these smartphones? Yeah, those are amazing phones.

**REASON WHY I’M EXCLUDING NEWER PHONES**

The reason for this is very straightforward. “GIMMICKS” these newer phones has a lot to offer, 100mp, 64mp, a lot of bullshits that some consumers might find to be beautiful, until they realize that after 1 to 2 years, their phone are now lagging and old feeling. That’s because newer phones in today’s standards are using old chipsets, Snapdragon 732g, Helio 899 etc, Dimensity 800u, Snapdragon 662. These chipsets are not good for Future proof.

Like come on, ever wonder why these new phones are focusing on the design rather than the specs? Because people will buy a phone as long as it has great camera, it’s a win win for them. But for us? Nah, we know what we doing, and we want a phone that will not let us down.

For example, I have a 5g phone, with a 5000mah battery, amoled display, but with a snapdragon 662 or 732g chipset.

What will happen is this, I want you to imagine this scenario.

Imagine that there are 4 ropes in each of your limbs. So 2 in each of your hands, and 2 for your feet, these 4 ropes are then pulled by separate mechanism.

So each limbs represents the features of your phone.

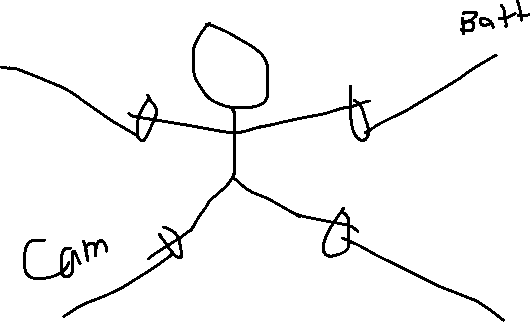
Right hand is the battery life

Left hand is the Gaming performance

Right foot/leg is the 5g connectivity

Left foot is the Camera

Your main body represents the chipset.



Okay, so imagine this, the center of your body is the chipset. Now, this chipset is snapdragon 668 or 732g, which are mainly used In today’s new phones.

Now, this phone has 5000mAh batt, a promising gaming performance, 64mp camera, and a 5g connectivity. You know, just to advertise the phone as “Future proof”

But no, its not. You see, when you use a camera (imagine pulling the ropes in the camera) you also need to use the battery (pull the ropes in the battery) and if you use the camera, you’ll use the chipset for software rendering the image processing, so you have 2 task, but then, you’re using 5g on, so pull the 5g. Now,your phone can do that for now, but you do realize that by then, the snapdragon 668 or 732g can’t do this tasks at the same time because it lacks the power, yes you have 5000mAh battery and 5g, but you’re wondering, why does the battery drains fast??? Because the chipset is too slow that it drains the battery and forces it to do things that it cannot handle. Same with camera, if you want a good camera, don’t depend in 64 or even 200mp camera, depend on the image processing software of the phone. Iphone uses 12mp in ther X to 13 pro max series yet they are considered the best of the best! Think about it!

To put it shortly, the end of the line is the chipset, it will always be the chipset in terms of future proof. But you also have to take consideration which brands are using this chipsets. Because for example, XIAOMI, Xiaomi uses the latest chipsets yet their software are not capable of handling it, that’s why some xiaomi phones are heating fast, that’s why deadboot occurs.

End of discussion.

As for the Category segment:

Best for Camera:

Top 1. LGV50

This phone just has the very good detail in image processing, again this is the best In the list in terms of camera and has 5g!

Top 2. Huawei Nova 5t

This phone, my god, yep, it has everything. But sadly, it losses to LG because I myself know that the LGv50 series is something else.

Best for Gaming:

Top 1: Mi 9t Pro

No doubt, this phone is such a massive hit in gaming community, this is just something else, especially the fact that it has pop-up camera so no camera in the screen!! That’s very good for me.

Top 2: Huawei Nova 5t:

I like this a lot and a lot of people are still using this for gaming as it is a very good gaming phone for today’s standards. But again, if you don’t like small phones, this one might not surprise you.

Top 3:

Lgv50s

Yes LGv50s , this is a much more great gaming phone for me especially it has 256gb rom, it has a much more fluid experience for me.

Best Battery Life:

Top 1: Mi 9t pro

Top 2: Lgv50

Top 3: Nova 5t.

I mean, just look at their spec sheets.

The best of the best:

Hmm, this is a very tough decision.

Top 1: Lgv50 5g

Why? Because damn, it has 5g, snapdragon 855, has a 3.5mm jack, great battery life. What more do you need, right?

At the price range under 8k, the best of this list for me is the lgv50s.

But hey, there’s still the 8,500 – 11,000 segment, I’ll make that update next week!!  
  
For now Francis, I want you to check In the marketplace its pricing, or watch some youtube reviews. Salamat pre. I love you. You give me goosebumps.

Suggestions from Kael:



1. Realme Master GT
2. Iphone XR