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What is g3 specs

LG G3LG G3 in the metallic blackBrandGProduktLG ElectronicsSloganSimple series are new SmartCompatibleGSM/GPRS/EDGE 850/900/1800/1900 MHzCDMA 1.9 GHz CDMA PCS/800 MHzWCDMA / LTETD-SCDMA 1900, 2000 MHzTD-LTE (China Mobile Plus Network)First released May 28, 2014; 6 years ago (2014-05-28)PredecessorLG G2SuccessorLG G4RelatedLG G Flex 2TypeSmartphoneForm factorSlateDimensions146.3 mm (5.76 in) H74.6 mm (2.94 in) W8.9 mm (0.35 in) DMass149 g (5.3 oz)Operating systemOriginal: Android 4.4.2 KitKatCurrent: Android 6.0 MarshmallowUnofficial: Android 10 via LineageOS 17.1System on chipQualcomm Snapdragon 801 MSM8974AC v3CPU2.5 GHz quad-core Krait 400GPUAdreno 330Memory2 GB (16 GB model)3 GB (32 GB model)Storage16 GB or 32 GBRemovable storagemicroSDXC up to 200 GBBattery3000 mAh, user-replaceableDisplay5.5 in (140 mm) 2560×1440 (534 ppi) 1440p IPS LCDRear camera13 MP Sony Exmor IMX135, 1/3.06 in[1] OIS+, F2.4, dual-tone LED flash, hybrid infrared autofocusFront camera2.1 MP Sony Exmor IMX204, F2.0SAR0.29 W/kgWebsite The LG G3 is an Android smartphone developed by LG Electronics as part of the LG G series. First released in South Korea on May 28, 2014, it is the successor to the 2013 LG G2. [2] [3] By inheriting design elements from the G2, such as thin screen frames and rear-mounted power and volume buttons, the G3 stands out primarily for being the first smartphone from a major manufacturer to turn on the 1440p display and incorporate a hybrid infrared autofocus system into the camera. LG also advertised the device's plastic metal skin, designed to give the device a higher look and simpler user interface with an integrated intelligent personal assistant system. The battery can be quickly replaced by the user, allowing you to move the charged spare batteries. G3 received mostly positive reviews, and critics praised the overall look, performance and software of the device. LG has been panned using faux metallic plastic instead of actual metal material on the outside. The 1440p display was also considered edge bleeding technology, citing low brightness, high battery power[4][5] and the use of artificial sharpening. 10 million G3 units were sold in the first 11 months of sales. External development One of the main goals of G3 was to provide a simpler overall experience than other smartphones; Jong-Seok Park, president of LG's mobile telephony division, argued that the smartest innovation in the fast-changing smartphone market is to create harmony between advanced technology and a simplified user experience. During the development of the G3, LG designers produced at least 300 different design prototypes, with different button layouts, materials and finishes, aimed to respond to criticism of the G2 design, whose glossy plastic chassis has been eshed to have a simple look and attract finger streaks. The G3 finish is designed to look and feel like brushed metal, yet resistant to smearing and scratching rather than feeling cold to the touch. While LG was considering using a self-repair coating with the G Flex, LG vice president of mobile design Chul Bae Lee stated that they could not use it without the gloss of the phone. The rear G2 buttons were preserved but had a more circular shape separated from the camera area; the new design is designed to prevent users from accidentally blurring the camera lens while using the buttons. The thin G3 frames, along with the curved shape, are designed to help improve grip and make the device smaller than it actually is, given its screen size. Battery optimization While the G3 battery has the same capacity as the G2, the subtly curved arc battery had to be designed to fit under the curved G3 back cover. [7] [8] In order to achieve a battery life comparable to other 1080p flagship devices, especially given the much higher screen resolution, several optimization measures have been implemented in the G3 software. These include limiting the number of frames per second rendered when the screen displays static content, and overclocking the processor when the device is not running CPU-intensive applications. With these optimizations, LG has shown that the G3 can play video for six and a half hours at full screen brightness on a single charge. [8] Laser Autofocus Laser System uses a component originally designed for LG robotic vacuum cleaners. G3 includes a laser autofocus system, being one of the first smartphones to include such a feature. Based on technology that was tested for lg roboking robot vacuum cleaner lines, but ultimately left unused,[7][10] the system uses a cone-shaped infrared beam to map the depth and position of objects; this data can be combined with traditional autofocus mechanisms and facial detection capabilities. LG claimed that this system gave the G3 the fastest autofocus time of any smartphone, 276 milliseconds. Other recent phones, such as the HTC One (M8) and Samsung Galaxy S5, have sometimes boasted 300 millisecond autofocus. The introduction of the laser to the G3 feature set occurred at the end of development, and most of the mock-ups were not designed to compensate for its presence, requiring additional tweaks to the shape of the phone. [7] [10] Specification External equipment External side G3 contains scratch-resistant metal leather - consisting of polycarbonate finished to look and feel like brushed metal; Despite the fact that it is marked as external g3 does not use real metal. The finish is primarily aimed at improving grip and making the rear housing susceptible to fingerprint smudges. G3 is available in black, white, gold, burgundy and purple. G2 structural elements are preserved by G3, such as rear-mounted volume and power buttons. Compared to the G2, the buttons received a flatter design with a new rounded shape. The G3 display features a 1440p 1440p LCD display — the first large global smartphone to use such a display. Just like the g2, the G3 is designed with minimal screen frames to provide a compact form. [6] [8] G3 storage and chipsets are equipped with qualcomm snapdragon 801 2.5 GHz quad-core chip; variants with 16 GB of internal storage have 2 GB of RAM, while variants with 32 GB of internal storage have 3 GB of RAM. The G3 battery contains a battery with a burial of 3000 mAh. Unlike the predecessor of the LG G2, the G3 rear cover is removable, allowing you to replace the battery, and the storage can be expanded to 200 GB with currently[when?] -available microSD cards. The G3 13-megapixel rear camera uses the Sony Exmor RS IMX135 image sensor model,[12] which includes optical image stabilization and a two-tone flash, as well as a hybrid autofocus system. The flight time camera system, also known as laser autofocus, uses a thin infrared laser beam to calculate the distance between the camera and its subject. In situations where infrared autofocus data is unreliable, the camera returns to contrast autofocus. LG touted that the hybrid system gave the G3 then the fastest focus time then any smartphone, and that infrared autofocus would also be beneficial in low light conditions. [13] [14] LG G3 is the first mobile phone capable of recording optically stabilized 2160p (4K) video. G3 wireless charging supports Qi wireless charging, except for models sold in Korea and the United States due to carrier restrictions. Wireless charging is only available on models sold in these regions if a quickcircle accessory is installed. [16] [17] [18] 802.11ac WiFi connectivity is supported, as is satellite navigation via GPS and GLONASS satellites. There are different models for different regions, with appropriate telephone bands, some models also with FM radio support. [19] Software Further information: Android (operating system) and Optimus UI LG G3 shipped with Android 4.4 KitKat and LG's proprietary user interface and G UI software package. The G3 user interface has been changed with a flatter appearance than G2, mature color schemes, new icons, and the use of Roboto as the default font. [20] New software features introduced by G3 include smart personal assistant Smart which presents contextual notifications and suggestions using natural language; LG Health fitness tracker, updated smart keyboard with Key height and the ability to analyze your typing habits to personalize your behavior, remotely lock and wipe devices, and Content Lock — the ability to store files in a secure, private area, internal storage, or SD card. [8] [21] [22] G3 camera software has also received a improved user interface: by default, most options are hidden, and photos can be taken by touching only the subject in the viewfinder. The G3 also offers the Magic Focus background dilute tool and self-angle mode activated by gesture for the front camera. [8] [13] On November 9, 2014, LG announced that G3 would receive an update to Android 5.0 Lollipop. The update was first released in Poland and South Korea in November 2014. The availability and release dates of updates in other markets, such as Europe and North America, varied. [25] [26] The update re-styles the interface to match the material design language and other changes made by Lollipop. It also adds synchronization of periodic heart rate readings by G Watch R smartwatches with the LG Health app. [27] [28] In December 2015 LG began to release an update to Android 6.0 Marshmallow. [29] From 2020, all variants of the LG G3 are still supported by LineageOS and can be upgraded to Android 10 [30] Accessories LG G3 Quick Circle Case Before unveiling the G3 itself, LG unveiled the QuickCircle Case accessory of the device. The successor to the QuickWindow housing manufactured for G2, the case consists of a flap with a round window at the top. The lighting effect around the edge of the window is used to mark notifications, and many apps, including camera, music player and phone, can be used with a special circular interface without opening the phone. The case also allows the use of wireless charging on G3 models sold in Korea and the United States. [17] In February 2015, LG introduced a virtual reality headset shell for a phone known as VR for the G3. Compatible with the Google Cardboard ecosystem, it was sent out as a free accessory alongside G3 devices sold in South Korea after its release. The adoption of the G3 was welcomed by critics. The G3 plastic back cover was praised for being less prone to fingerprint smudges than the G2 - however LG has been criticised for using imitation metal trim rather than real metal. Compared to smartphones clearly sold as phablets, such as the Galaxy Note series, the G3 has been found to be more comfortable and similar to the phone due to its compact form and smooth availability. There was also high-end G3 hardware, and Engadget described its specs as [like] an Android fan wish list, but from a usability point of view the screen size on would be an episode for some people. [11] [33] G3 G3's changed appearance was praised for its cleaner look than previous iterations, although The Verge acknowledged that more Android OEMs standardized the look of their interface designs to better resemble the design used by Google's stock Android operating system distribution. [11] The G3 display was praised for its good color reproduction, brightness and viewing angles, and Engadget noted that its 1440p sample content [looked] sharp and beautifully reproduced. However, critics were mixed as to whether the display provided sufficient benefits or quality differences from the 1080p display for everyday use, also considering that content optimized for resolution was not yet readily available. Ars Technica showed concern about the potential impact of the display on battery consumption and claimed that the Samsung Galaxy S5 had a better contrast ratio and was easier to see outdoors. [11] [33] Mobile Syrup considered the G3 display quality to be lower than the previous G2, noting the lower maximum brightness (including g3 screen dimming algorithms), reduced viewing angles and color richness, due to the dedication that LG has made to maintain g3 battery life. [34] Anandtech was also mixed, noting that the G3 display produced obviously saturated colors in almost every situation, had a weaker backlight than the G2, and used a software edge enhancement system that produced noticeable visual artifacts. [35] [36] Claiming that the 1440p display affected battery life, it was noted that compared to its competitors the life span of the G3 battery was still well above what we have seen since the flagships of 2013 (Snapdragon 600). Almost 10 million G3s were sold in the first eleven months of sales. [37] [38] See also Smartphone Comparison Testimonials ^ LG G3 Camera Sensor and Performance Detail Surface: An in-depth look at the specs. Accessed 1 Jul 2014. ^ THE LG G3 will be released on UK networks on 1 July. Cnet. Accessed May 27, 2014. ^ LG G3 in America: Where to buy lg's new superphone in the US. Cnet. Accessed May 27, 2014. ^ D, Luis (2015-02-17). 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