Motorola 58 Ghz Digital Phone Manual

Cellular network

ISBN 978-91-7258-523-2. "Advanced Mobile Phone Service: The Developmental System". Bell System Technical Journal. 58 (1): 249–269. January 1979. doi:10.1002/j

A cellular network or mobile network is a telecommunications network where the link to and from end nodes is wireless and the network is distributed over land areas called cells, each served by at least one fixed-location transceiver (such as a base station). These base stations provide the cell with the network coverage which can be used for transmission of voice, data, and other types of content via radio waves. Each cell's coverage area is determined by factors such as the power of the transceiver, the terrain, and the frequency band being used. A cell typically uses a different set of frequencies from neighboring cells, to avoid interference and provide guaranteed service quality within each cell.

When joined together, these cells provide radio coverage over a wide geographic area. This...

IPhone 5

via the iPhone 5 to their customers on their current LTE networks, as they have already deployed LTE in the 2.6 GHz band, which the iPhone 5 does not

The iPhone 5 is a smartphone that was developed and marketed by Apple Inc. It is the 6th generation iPhone, succeeding the iPhone 4s, and preceding both the iPhone 5s and iPhone 5c. It was formally unveiled as part of a press event on September 12, 2012, and subsequently released on September 21, 2012. The iPhone 5 was the first iPhone to be announced in September, and setting a trend for subsequent iPhone releases, the first iPhone to be completely developed under the guidance of Tim Cook and the last iPhone to be overseen by Steve Jobs. The iPhone 5's design was used three times, first with the iPhone 5 itself in 2012, then with the iPhone 5s in 2013, and finally with the first-generation iPhone SE in 2016.

The iPhone 5 featured major design changes in comparison to its predecessor. These...

Base station

to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz" Sources: US Department of Health; The World Health Organization. IEEE.

"Electromagnetic

Base station (or base radio station, BS) is – according to the International Telecommunication Union's (ITU) Radio Regulations (RR) – a "land station in the land mobile service."

A base station is called node B in 3G, eNB in LTE (4G), and gNB in 5G.

The term is used in the context of mobile telephony, wireless computer networking and other wireless communications and in land surveying. In surveying, it is a GPS receiver at a known position, while in wireless communications it is a transceiver connecting a number of other devices to one another and/or to a wider area.

In mobile telephony, it provides the connection between mobile phones and the wider telephone network. In a computer network, it is a transceiver acting as a switch for computers in the network, possibly connecting them to a/another...

Iridium satellite constellation

in late 1987 (in 1988 protected by patents Motorola filed in their names) and then developed by Motorola on a fixed-price contract from July 29, 1993

The Iridium satellite constellation provides L band voice and data information coverage to satellite phones, satellite messenger communication devices and integrated transceivers. Iridium Communications owns and operates the constellation, additionally selling equipment and access to its services. It was conceived by Bary Bertiger, Raymond J. Leopold and Ken Peterson in late 1987 (in 1988 protected by patents Motorola filed in their names) and then developed by Motorola on a fixed-price contract from July 29, 1993, to November 1, 1998, when the system became operational and commercially available.

The constellation consists of 66 active satellites in orbit, required for global coverage, and additional spare satellites to serve in case of failure. Satellites are placed in low Earth orbit at...

Barnes & Noble Nook

It uses Android 5.0.2 Lollipop, and features an 8-core CPU (1.9 GHz Quad + 1.3 GHz Quad) with 3 GB RAM, 32 GB of internal storage, a microSD card slot

The Barnes & Noble Nook (styled nook or NOOK) is a brand of e-readers developed by American book retailer Barnes & Noble, based on the Android platform. The original device was announced in the U.S. in October 2009, and was released the next month. The original Nook had a six-inch E-paper display and a separate, smaller color

touchscreen that serves as the primary input device and was capable of Wi-Fi and AT&T 3G wireless connectivity. The original Nook was followed in November 2010 by a color LCD device called the Nook Color, in June 2011 by the Nook Simple Touch, and in November 2011 and February 2012 by the Nook Tablet. On April 30, 2012, Barnes & Noble entered into a partnership with Microsoft that spun off the Nook and college businesses into a subsidiary. On August 28, 2012, Barnes and...

ThinkPad X series

(Banias), L2-Cache: 1 MiB, TDP: 22–24.5 W, 400 MT/s FSB 1.3 GHz, 1.4 GHz, 1.5 GHz, 1.6 GHz, or 1.7 GHz Memory: 256–512 MiB DDR (up to 2048 MiB, 2 slots) Storage:

The ThinkPad X series is a line of notebook computers and convertible tablets produced by Lenovo as part of the ThinkPad family. The ThinkPad X series is traditionally the range best designed for mobile use, with ultraportable sizes and less power compared to the flagship ThinkPad T series. It was initially produced by IBM until 2005.

IBM announced the ThinkPad X series (initially the X20) in September 2000 with the intention of providing "workers on the move with a better experience in extra-thin and extra-light mobile computing." The ThinkPad X series replaced both the 240 and 570 series during IBM's transition from numbered to letter series during the early 2000s. The first X Series laptops were "slimmer than a deck of cards" and "lighter than a half-gallon of milk", despite the presence...

History of tablet computers

Apple's own new Newton OS, initially running on hardware manufactured by Motorola and incorporating an ARM CPU, that Apple had specifically co-developed

The history of tablet computers and the associated special operating software is an example of pen computing technology, and thus the development of tablets has deep historical roots.

The first patent for a system that recognized handwritten characters by analyzing the handwriting motion was granted in 1914.

The first publicly demonstrated system using a tablet and handwriting recognition instead of a keyboard for working with a modern digital computer dates to 1956.

Transistor count

think". "Digital History: ZILOG Z8000 (APRIL 1979)". OLD-COMPUTERS.COM : The Museum. Retrieved June 19, 2019. "Chip Hall of Fame:

Motorola MC68000 Microprocessor"

The transistor count is the number of transistors in an electronic device (typically on a single substrate or silicon die). It is the most common measure of integrated circuit complexity (although the majority of transistors in modern microprocessors are contained in cache memories, which consist mostly of the same memory cell circuits replicated many times). The rate at which MOS transistor counts have increased generally follows Moore's law, which observes that transistor count doubles approximately every two years. However, being directly proportional to the area of a die, transistor count does not represent how advanced the corresponding manufacturing technology is. A better indication of this is transistor density which is the ratio of a semiconductor's transistor count to its die area...

Acer Aspire One

version of the Aspire One 521 with an AMD V105 processor running at 1.2 GHz, an ATI Radeon 4225 graphics controller, and equipped with a HDMI port. A

Acer Aspire One is a line of netbooks and laptops first released in July 2008 by Acer Inc.

Many characteristics of a particular model of Acer Aspire One are dictated by the CPU platform chosen. Initial models are based on Intel Atoms. Later, models with various AMD chips were introduced. Newer versions of the Atom were adopted as well.

Early versions are based on the Intel Atom platform, which consists of the Intel Atom processor, Intel 945GSE Express chipset and Intel 82801GBM (ICH7M) I/O controller, and was available in several shell colors: seashell white, sapphire blue, golden brown, onyx black, and coral pink.

Higher end models were released in June 2010 consisting of the AMD Athlon II Neo processor and ATI Radeon HD 4225 graphics controller. These were available in onyx black, antique...

List of semiconductor scale examples

1976. Intel 8086 CPU launched in 1978. Intel 8088 CPU launched in 1979. Motorola 68000 8 MHz CPU launched in 1979 (3.5 µm). NEC's 64 kb SRAM memory chip

Listed are many semiconductor scale examples for various metal–oxide–semiconductor field-effect transistor (MOSFET, or MOS transistor) semiconductor manufacturing process nodes.

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