Usb Cable For Printer

USB hardware All versions of USB specify cable properties. Higher-speed development of the USB standard gave rise to another family of connectors to permit additional data links. 0 added a full-duplex The initial versions of the USB standard specified connectors that were easy to use and that would have high life spans; revisions of the standard added smaller connectors useful for compact portable devices. Version 3. x cables, marketed as SuperSpeed, added a data link; namely, in 2008, USB 3. 0 added a full-duplex lane (two twisted pairs of wires for one differential signal of serial data per direction), and in 2014, the USB-C specification added a second full-duplex lane. x cables, marketed as SuperSpeed, added a data link; namely, in 2008, USB 3. All versions of USB specify cable properties. Version 3 07fbf12eb3

Wireless USB is based on the WiMedia Alliance's Ultra-WideBand (UWB) common radio platform, which is capable of sending 480 Mbit/s at distances up to 3 metres (9.8 ft)

and 110 Mbit/s at distances up to 10 metres (33 ft). It is designed to operate in the 3.1 to 10.6 GHz frequency range, although local regulatory policies may restrict the legal operating range in some countries. 07fbf12eb3 In September 2019, the USB Implementers Forum has stopped... 07fbf12eb3 There are many different types of cables, for example: 07fbf12eb3 With the demise of... 07fbf12eb3 The Interlnk program on MS-DOS can also use the Laplink cable. 07fbf12eb3

USB communications device class For example, an adapter cable which is USB on one end and RS-232 on the other may present the USB end to the operating system USB Communications Device Class ("CDC") (or together, "USB CDC") is a composite Universal Serial Bus device class. general-purpose serial UART. It is also used for modems, serial ports, ISDN, fax machines, and telephony devices that perform regular voice calls. It is most commonly used for computer networking devices akin to a network card, providing an interface for transmitting Ethernet or ATM frames onto some physical media 07fbf12eb3

Parallel 07fbf12eb3 Unlike standard USB connections, which involve a fixed host (such

as a computer) and a peripheral (such as a keyboard), USB OTG allows a device to switch between these roles. For example, a smartphone can act as a host when reading files from a flash drive, but function as a peripheral when connected to a computer. 07fbf12eb3 Decorative computer peripherals have been around for a long time; in the days of CPU front panels, computer hackers would sometimes use them for entertaining or amusing "Blinkenlights" displays. Today, USB-powered decorations are the most prominently seen examples, since the popularity of USB lets them operate on most modern computers. The USB standard can also be used to power devices via AC adapters traditionally used for mobile devices, allowing manufacturers of these decorations worldwide compatibility without the need for any power converters for different socket form factors. 07fbf12eb3 Serial: RS-232, EIA-422 07fbf12eb3

USB displays, keyboards, and mass storage devices, and to and from intermediate hubs, which multiply the number of a host's ports. It specifies the architecture, in particular the physical interfaces, and communication protocols to and from hosts, such as personal computers, to and from peripheral devices, e.

g. Universal Serial Bus (USB) is an industry standard, developed by USB Implementers Forum (USB-IF), for digital data transmission and power delivery between Universal Serial Bus (USB) is an industry standard, developed by USB Implementers Forum (USB-IF), for digital data transmission and power delivery between many types of electronics 07fbf12eb3

Physically separate USB hubs come in a wide variety of form factors: from external boxes (looking similar to an Ethernet or network hub), to small designs that can be directly plugged into a USB port (see the "compact design" picture). "Short cable" hubs typically use an integral 6-inch (15 cm) cable to slightly distance a small hub away from physical port congestion and increase the number of available ports. 07fbf12eb3 A Laplink cable can be seen as a parallel equivalent to a serial null modem cable. Because of the higher bandwidth of the parallel port versus the serial port, a Laplink cable is able to transfer data more quickly. 07fbf12eb3 Introduced in 1996, USB was originally designed to standardize the connection of peripherals to computers, replacing various interfaces such as serial ports, parallel ports, game ports, and Apple Desktop Bus (ADB) ports. Early versions of

USB became commonplace on a wide range of devices, such as keyboards, mice, cameras, printers, scanners, flash drives, smartphones, game consoles. USB has since evolved into a standard to replace virtually all common ports on computers, mobile devices, peripherals, power supplies, and various other small electronics. 07fbf12eb3 LapLink typically shipped with a specialized cable, allowing two PCs computers to be linked together via the parallel port, establishing a direct cable connection. This so-called LapLink cable or null-parallel cable is capable of faster transfer rates than the traditional null modem serial cable. At the time, almost all PCs had a parallel printer port, but neither USB nor modern Ethernet was available. 07fbf12eb3 FireWire 07fbf12eb3 USB OTG defines two device roles: the A-device, which supplies power and initially acts as the host, and the B-device, which consumes power and begins as the peripheral. These roles can be reversed using the Host Negotiation Protocol (HNP). The initial role is determined by the wiring of a specific pin, known as the ID pin, in the USB connector. The A/B naming convention reflects earlier USB connector types: Type-A connectors were used with host devices, while Type-B connectors were used with peripherals. 07fbf12eb3 == Cable ==

07fbf12eb3 Parallel port printers have been slowly phased out, and are now difficult to find for the most part, being considered as an obsolete legacy port on most new computers. Those who have printers and scanners with only parallel port may still be able to connect the devices via the use of USB adapters a.k.a. USB-to-parallel cable, or use a PCI parallel printer port card. 07fbf12eb3 PoweredUSB, as a proprietary variant of USB, was developed and proposed by IBM, Berg Electronics (now a subsidiary of Amphenol), NCR Corporation, and Microsoft between 1998 and 1999, with the last revision (0.8g) issued in 2004. The specification is not endorsed by the USB Implementers Forum (USB-IF). IBM, who owns patents to PoweredUSB, charges a licensing fee to manufacturers for its use. 07fbf12eb3 Devices of this class are also implemented in embedded systems such as mobile phones so that a phone may be used as a modem, fax or network port. The data interfaces are generally used to perform bulk data transfer. 07fbf12eb3

Wireless USB It was maintained by the WiMedia Alliance which ceased operations in 2009. It was also suitable for transferring Wireless USB is a short-range, high-bandwidth wireless radio communication protocol version

of the Universal Serial Bus (USB) created by the Wireless USB Promoter Group. controllers, printers, scanners, digital cameras, portable media players, hard disk drives and USB flash drives. It is unrelated to Wi-Fi and Cypress Wireless USB 07fbf12eb3

USB hub computers are equipped with USB ports, but an external USB hub can consolidate several everyday devices (like a mouse, keyboard or printer) into a single hub to A USB hub is a device that expands a single Universal Serial Bus (USB) port into several so that there are more ports available to connect devices to a host system, similar to a power strip. All devices connected through a USB hub share the bandwidth available to that hub 07fbf12eb3

Some USB hubs may support power delivery (PD) to charge a laptop battery, if self-powered and certified to do so, but may be referred to as a simple docking station due to the similar nature of only needing one connection to charge the battery and connect peripherals... 07fbf12eb3 USB 07fbf12eb3 The rationale for this specification was the overwhelming success of USB as a base for peripherals everywhere; cited reasons include extreme ease of use and low cost, which...

07fbf12eb3 In the latest standard, the USB-C connector replaces many types of connectors for power (up to 240 W), displays (e.g. DisplayPort, HDMI), and many other... 07fbf12eb3 == History == 07fbf12eb3 Development and commercial adoption of Wireless USB declined after the dissolution of the WiMedia Alliance in 2009 and the industry's transition toward Wi-Fi, Bluetooth and 60 GHz wireless technologies such as WiGig. The standard is now considered obsolete. 07fbf12eb3

Printer cable a PCI parallel printer port card. "Know Everything about Printer Cables". sfcable. "Know More About USB to Serial and Parallel Printer cable refers to the cable that carries data between a computer and a printer. com. Retrieved November 8, 2025 07fbf12eb3

Support for the standard was deprecated in Linux 5.4 and removed in Linux 5.7. 07fbf12eb3 Almost all modern laptop computers are equipped with USB ports, but an external USB hub can consolidate several everyday devices (like a mouse, keyboard or printer) into a single hub to enable one-step attachment and removal of all the devices. 07fbf12eb3 == Abstract Control Model ==

07fbf12eb3 == History == 07fbf12eb3 USB has always included some capability of providing power to peripheral devices, but the amount of power that can be given has increased over time. The modern specifications are called USB Power Delivery (USB-PD) and allow up to 240 watts. Initially USB 1.0/2.0 provided up to 2.5 W, USB 3.0 provided up to 4.5 W, and subsequent Battery Charging (BC) specifications provided power up to 7.5 W. The modern Power Delivery specifications began with USB PD 1.0 in 2012, providing for power delivery up to 60 watts; PD 2.0 version 1.2 in 2013, along with USB 3... 07fbf12eb3

PoweredUSB PoweredUSB, also known as Retail USB, USB PlusPower, USB +Power, and USB Power Plus, is an addition to the Universal Serial Bus standard that allows for higher-power PoweredUSB, also known as Retail USB, USB PlusPower, USB +Power, and USB Power Plus, is an addition to the Universal Serial Bus standard that allows for higher-power devices to obtain power through their USB host instead of requiring an independent power supply or external AC adapter. It is mostly used in point-of-sale equipment, such as receipt printers, touch screens and barcode readers 07fbf12eb3

Microsoft Windows versions prior to Windows Vista do not work with the networking parts of the USB CDC, instead using Microsoft's own derivative named Microsoft RNDIS, a serialized version of the Microsoft NDIS (Network Driver Interface Specification). With a vendor-supplied INF file, Windows Vista works with USB CDC and USB WMCDC devices. 07fbf12eb3

USB decoration g. A USB decoration is a decorative device that uses the Universal Serial Bus (USB) connector for electrical power, and sometimes the protocol, on a computer A USB decoration is a decorative device that uses the Universal Serial Bus (USB) connector for electrical power, and sometimes the protocol, on a computer or other host. In addition, some lightweight devices (e. , a small lamp on a gooseneck stalk) use the USB connector itself for mechanical support 07fbf12eb3

Laplink using the parallel port and a LapLink cable or serial port and a null modem cable or USB and a USB ad hoc network cable. Traveling Software is now known as LapLink Software, Inc. Traveling Software is now known as Laplink (sometimes styled LapLink) is a proprietary software that was developed

by Mark Eppley and sold by Traveling Software. First available in 1983, LapLink was used to synchronize, copy, or move, files between two PCs, in an era before local area networks, using the parallel port and a LapLink cable or serial port and a null modem cable or USB and a USB ad hoc network cable. , and their main software is now the PCmover 07fbf12eb3

USB On-The-Go This enables them to connect directly to other USB devices, such as flash drives, digital cameras, mice or keyboards. USB OTG was first introduced in late 2001. a USB flash drive containing images is plugged into the printer's USB port with no computer present (or at least turned off), it would be useful for the USB On-The-Go (USB OTG) is a specification that allows certain USB devices, such as tablets or smartphones, to function either as a host or a peripheral 07fbf12eb3

== Overview == 07fbf12eb3 The Abstract Control Model (ACM) protocol defined in the CDC specification can be used to implement a general-purpose serial UART. For example, an adapter cable which is USB on one end and RS-232 on the other... 07fbf12eb3 PoweredUSB was licensed by Hewlett-Packard,

Toshiba, Epson, Fujitsu, Wincor-Nixdorf, Siemens, among others. 07fbf12eb3

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