

出货 华为3G无线上网卡E220

产品名称	出货 华为3G无线上网卡E220
公司名称	深圳宝银通电子科技有限公司
价格	170.00/PCS
规格参数	品牌:华为 型号:E220 网络类型:HSDPA
公司地址	中国 广东 深圳市福田区 华强北路赛格广场6886#
联系电话	86 755 82683942 13128729086

产品详情

品牌	华为	型号	E220
网络类型	HSDPA	接口类型	USB
最高下行速率	7.20Mbps	最高上行速率	3.60Mbps
频率范围	WCDMA 2100MHz, EDGE/GPRS 850/900/1800/1900MHz	操作系统	Windows 2000, XP, Vista和Mac
尺寸	89 × 43 × 14.5 mm		

华为e220参数细节

规格参数无线上网卡类型

网络类型
频率范围
网络协议
传送速度
接口类型
存储器
操作系统
外观尺寸

联通3g无线上网卡

双模(wcdma/gsm)
wcdma 2100mhz, edge/gprs 850/900/1800/1900mhz
hsdpa/umts/edge/gprs/gsm
hsdpa:3.6/7.2mbps, wcdma:384kbps
usb
null
windows 2000, xp, vista和mac
89 × 43 × 14.5 mm

thehuawei e220is ahuaweihsdpa access device ("modem") manufactured byhuaweinand notable for using the usb interface (usb modem).

technically it is a modem, usb and (due to thecdsformat) virtualcd-romdevice.

launched on 21 june 2006[1], the device is used for wirelessinternetaccess using 3.5g,3g, or2gmobile telephony networks. it supports umts (including hsdpa),edge, gprs andgsm.

e220 works well with linux, as support for it was added in linux kernel 2.6.20, but there are workarounds for distributions with older kernels.^[2]^[3]^[4] the card is also supported by vodafone mobile connect card driver for linux, and it is possible to monitor the signal strength through other linux applications.^[5]

most 3g network operators bundle the device with a contract, with some operators simlocking^[6] the device . unlocked and unbranded modems can also be bought from independent suppliers.

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the device contains not only the cellular antenna but also about 22mb (10 mb on older versions) of storage memory accessible to the operating system as a usb mass storage device^[7] formatted with cdfs, thus emulating a cd-rom drive. in this memory, e220 devices supplied by mobile operators may contain 3g dialer software written by the operator, while huawei-branded devices contain huawei's original dialing software, which they call "dashboard". huawei's dashboard and updates for it are also available from huawei's website^[8], or the 11.313.02.00.01 firmware for 7.2 mbit/s from netcom (in reality "flashing" this device means writing a firmware image to its internal flash memory, which is different from "updating the dashboard", which is simply writing a new cdfs disc image to the usb mass storage device that appears in the operating system). flashing the firmware of this device doesn't change the usb mass storage memory used for the operator's software, therefore connection settings (such as apn) will be retained. when the device is first attached, windows will automatically run the software stored on it, unless that feature has been turned off in windows. this feature can be bypassed by pressing the shift key while attaching the device, or by turning off the autostart feature entirely. it is possible to remove the operator branding by flashing the device with huawei's mobile partner software. huawei does not publicly release firmware updates for its devices, only dashboard updates. the standard way of obtaining firmware updates is through the service provider, however some firmware updates are publicly available over the internet and some users have cross-flashed (i.e. using a firmware provided by service provider "x" with modem supplied by service provider "y") their modems without trouble. updating the modem's dashboard does not remove or affect the network-lock (that may be in effect with modems purchased subsidized from a service provider) that prevents you from using the modem with any service provider. however updating the modem's firmware may remove this network-lock or even the opposite, turn a network-lock free modem into a locked one.

[\[edit\] hardware](#)

the e220 connects to the computer with a standard mini usb cable. the device comes with two cables, one short and one long. the long one has two usb a interfaces, one used for data and power and the other optionally only for assistance power in case the computer is not able to provide the full 500 ma (milliamperes) required for the device to work from one usb interface only. if your connection gets disrupted often or isn't really stable (or you can surf at slow speed only), consider using the two plug usb cable.

the e220 antenna is internal; the usb cable does not act as an antenna. the external antenna connector is not accessible without opening the device (voiding any warranty). it is still possible to connect an external antenna^[9]^[10] without opening the device and using the (internal) external antenna connector. together with a high gain antenna like anlpda or anomni booster antenna and an adapter, signal strength can be considerably improved. there is also a way to do this, open the modem, remove the small internal antenna, and solder a umts-antenna cable onto the board. you will invalidate the warranty, but it can be a cheap and functional way to connect an external antenna.^[11]

[\[edit\] software](#)

vodafone3gusbmodem

the huawei e220 includes its own windows software in its internal memory, which self-installs through the windows' auto-start feature and can be flashed (overwritten) by the end user. the standard software by huawei is called mobile partner and is indicated by the code utps.

some network operators selling the e220, however, replace huawei's software with their own, which often is software-locked (albeit not sim-locked) to work only with the operator's own network. end-users can use either third-party software such as mwconn (freeware) or alternative operating systems (e.g. linux) to circumvent this and use their e220 with any sim, or flash their device with huawei's original software. [dubious – discuss]

since the release of windows 7 users have reported a number of issues that require a firmware upgrade to the modem. huawei have released new firmware to the operators, who have generally made it available on their websites. the firmware upgrade must be carried out from a machine running windows xp or windows vista and which can see the modem. once this is complete windows 7 can see and use the modem.

the following operator(s) are known to replace huawei's software with their own:

metfone (cambodia) bt business (uk) base e plus (germany) claro (americas) dialog axiata (sri lanka) drei (austria) zain (nigeria) visafone (nigeria) mobilkom austria (austria) - uses software from austrian software vendor mquadr.at [12] for both its brands a1 and bob. movistar (spain, argentina) mobily (saudi arabia) viva [disambiguation needed] (kuwait) mtn (uganda) mtn sa (south africa) mt:s (serbia) mtc (namibia) mts (russia) multilinks telekoms (nigeria) nawras (oman) optimus telecomunica ç õ es (portugal) orange (austria) play mobile (poland) sun cellular (philippines) t-mobile (austria) turkcell (turkey) telkomsel & axis (indonesia) (but not sim-locked) three (australia, austria, italy, uk, sweden) vodacom sa (south africa) vodafone - vodafone puts on its e220 (vodafone mobile connect usb modem) its windows vodafone mobile connect lite software, which is a lighter version of vodafone mobile connect. in windows it uses the executable vodafoneusbpp.exe. this device is also supported in linux, using vodafone mobile connect card driver for linux, which can be downloaded from vodafone betavine. - vodafone in new zealand markets the huawei d220 as the vodem. [13] zain (sudan) [edit] operating systems microsoft windows xp, vista and 7 mac os x v10.2.6 jaguar or higher linux 2.6.20 or higher. one can use wvdial or networkmanager with this modem in linux. debian, ubuntu [14] [15] and gnulinux opensuse fedora debian linux arch linux ark linux gentoo linux xandros linux sabayon linux mandriva pclinuxos slackware linux caixa m á gicafreebsd opensolaris [edit] compatibility issues

a number of software compatibility issues are known to exist with the e220 usb modem. this is mainly related to cd writing software, software that creates virtual cd-rom drives [16] and with microsoft activesync. also early versions of the firmware and vodafone connect software are incompatible with windows vista. this has been remedied in later updates.

[edit] similar modems hsdpa:zte mf620 vigsys vm10 huawei e160 huawei e160e huawei e160ghsupa:novatel ovation mc950d huawei e270 [edit] see also cellular broadband cellular coverage ethernet over usb gammumobile broadband configuration assistant (mbca) for networkmanager. mobile internet networkmanager nexus hawk sim cloning sma connector wvdial wifi wimax [edit] references ^ huawei terminal ^ (polish) huawei e220 hsdpa usb 3g modem in linux ^ huawei e220 working on linux!!!: java addict ^ kernel.org ^ huawei e620 - pppd dies after disconnecting monitor on /dev/ttyusb2 [archive] - adsl & broadband forums - internet, gaming, hardware, software ^ vodafone huawei e220 usb modem - first impressions - page 4 - adsl & broadband forums - internet, gaming, hardware, software ^ using

huawei e220 with debian/linux^huawei terminal^poyntingdirect.co.za^poynting-
europe.com^gniza.org^mquadr.at^saarinen, juha (2007-01-29). "vodafone vodem". new zealand pc
world.<http://pcworld.co.nz/pcworld/pcw.nsf/reviews/vodafone-vodem>. retrieved 2010-07-22. "[...] the vodem is
actually a rebranded huawei e220 put together in china". ^help.ubuntu.com huawei e220^huawei e220^compatibility
issues with huawei e220 usb modem - adsl & broadband forums - internet, gaming, hardware, software[edit]external
linksproduct home pagehuawei e220 pricee220 user manuale220 mac os x settings (russian)e172 mac os x settings:
should work for e220 too (french)