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Linux Driver Tool	CONFIDENTIAL
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V100R001	

Huawei Linux Driver 4.19.23.00 Release

Notes

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Huawei Linux Driver 4.19.23.00 Release Notes

1. New features

No	Description
1	This Linux Driver can be used on the Linux OS which kernel version is between 2.6.18 or later.
2	Support the feature for switching the data card PID from 0x1003 into 0x1001, while the data card is used on the Linux OS which kernel version is lower than 2.6.20.
3	Support the feature for switching other data card PIDs into 0x1001 temporarily on all supporting kernel versions.
4	Support Fedora, RedHat, Ubuntu, OpenSUSE, Debian,.

2. Improvements to previous

Version	Features(New/Modify)
Linux Driver 4.19.23.00	Support SUSE Linux Enterprise Server 11 SP2. Delete PID 1c20.
Linux Driver 4.19.22.00	Support new system Fedora20; Resolve the issue that the balong datacard don't load the huawei driver on ubuntu 14.04；add pid 1568.
Linux Driver 4.19.21.00	Support new system opensuse 13.1 and Fedora 19；Resolve the issue that the datacart don't load the huawei driver.
Linux Driver 4.19.20.00	Support InterfaceSubClass 03；Modify the ndis driver for delete dbg（）and deciding device type；Support protocol 0x72—0x75；Modify protocol 0x46 is ncm port。
Linux Driver 4.19.19.00	Support Opensuse12.2 ，support EC176-2，add pid 0x1515
Linux Driver 4.19.18.00	support Fedora17 Final Release
Linux Driver 4.19.17.00	support Fedora17 Beta
Linux Driver 4.19.16.00	prevent Hilink load ndis driver
Linux Driver 4.19.15.00	resolve the issue that dashboard can not autorun when reboot prevent send scsi cmd to HiLink resolve the issue that logout when install driver in Ubuntu11.10
Linux Driver 4.19.14.00	resolve the issue that sr crash on Fedora 15 and Mandriva 2011，Linux Driver4.19.13.00 is abandoned version
Linux Driver 4.19.13.00	resolve the issue that sr crash on Fedora 15 and Mandriva 2011
Linux Driver 4.19.12.00	Support Ubuntu 11.10
Linux Driver 4.19.11.00	Support Mandriva 2011
Linux Driver 4.19.10.00	Support Fedora 15
Linux Driver 4.19.09.00	Modify the usbserial and acm driver patch installation files, kernel version and ko is inconsistent, automatically compiled

	and installed, the same can copy to use.
Linux Driver 4.19.08.00	Optimize the driver installation.
Linux Driver 4.19.07.00	Add some rules about PID optimize plan ，Resolve the issues that dashboard can not communicate with datecard.when plug in and intall first.
Linux Driver 4.19.06.00	Ndis supports new OS:Opensuse11.4，Ubuntu11.04，Resovle the issues that when plug out the datacard with dashboard opening, the usbserial module will be crash on Debian6.0 Add some patch to support ET302
Linux Driver 4.19.05.00	Add new PIDs into the driver. 14BA,14D2,14D3,14D4
Linux Driver 4.19.04.00	Support Mandriva2010.1. Resovle the issues that the usbserial module will be crash on Mandriva 2010.1 when suspend and wakeup.
Linux Driver 4.19.03.00	Add new PID After Convert to Modem1480，1481，14C8，14C9，14CA，14CB，14CC，14B8 into the driver.
Linux Driver 4.19.02.00	Add new PID 0x1C23 into the driver.
Linux Driver 4.19.01.00	Add new PIDs into the driver.
Linux Driver 4.19.00.00	Support NCM function
Linux Driver 4.18.06.00	Resovle the isssue that NDIS dirver can not be loaded on to E367u-8 successfully when be pluged into some Linux OS such as ubuntu 9.10.
Linux Driver 4.18.05.00	Resovle the isssue that when plug out the datacard with dashboard opening, the usbserial module will be crash on Mandriva 200901
Linux Driver 4.18.03.00	Add some vodafone datacard PID
Linux Driver 4.18.02.00	Resovle the issue that ndis funciton can not be used in some pc with linux os installed.
Linux Driver 4.18.01.00	Add new pid for Vodafone DataCard
Linux Driver 4.18.00.00	Add new pid for Vodafone DataCard
Linux Driver 4.17.00.00	Add NEW PID for Vodafone DataCard
Linux Driver 4.16.02.00	Add Vietnam PID
Linux Driver 4.16.01.00	Resolve the issue that after install huawei datacard Linux Driver the Ubuntu 9.10 can't sleep well.
Linux Driver 4.16.00.00	Resolve the issue that Plugin the datacard in Linux OS and Install/Uninstall the dashboard repeadly,the dashboard can not communicate with datecard Resolve the issue that when NDIS dial firstly in Linux OS . The NDIS dial must failed .
Linux Driver 4.15.00.00	Add Jungo PID 0x1C0C,0x1C0D, 0x 1C0E, 0x1C0F, 0x 1C10, 0x 1C11, 0x 1C12, 0x 1C13, 0x 1C14,0x1C15,0x1C16, 0x1444,0x1445,0x144E,0x144F,0x14AE,0x14AF,0x14B0,0x14B1,0x1449,0x14AD

	Add new PID function
Linux Driver 4.14.00.00	Add JUNGO Driver
Linux Driver 4.13.0000	Add PID 1491 for E5
	Add PID 144A and 144B for E5803
	Change NDIS Mac address to 00:1e:10:1f:00:01
Linux Driver 4.12.01.00	Add the feature in the version, to create a new directory of /dev/huawei_mobile to indicate TD device plugged in the Linux system.
Linux Driver 4.12.00.00	Integrate the patch to fix the problem that CDROM and SD port is attached the wrong driver in Fedora 11, Ubuntu 9.04 and Mandriva 2009.1
	Integrate the patch to fix the problem that the Fedora 11 crashes while unplugging the device.
	Support the newest distributions, including Ubuntu 9.10, Fedora 12, OpenSUSE 11.2 and Mandriva 2010.0
Linux Driver 4.11.00.00	Add the cdc ether port management feature into driver tool, to ensure the NDIS ports of the module devices to be according to ecm specs.
	Add new product PIDs which are assigned for Vodafone.
Linux Driver 4.10.00.00	Remove the feature of running linux_install script file on the CDROM of the device..
	Add the new feature to supports ETS583x products.
	Add the new product IDs for the GPS ports.
Linux Driver 4.08.01.00	Add the product IDs which are assigned for Vodafone.
Linux Driver 4.08.00.00	Add the feature to support the TD-SCDMA data card devices with the product IDs: 0x1DA1 and 0x1D09, such as ET128.
	Add the feature to support the the WCDMA data card devices with the new product IDs: 0x1428, 0x1429, 0x142D to 0x143E and 0x1450 to 0x1486.
	Add the feature of autorun configuration.
Linux Driver 4.05.00.00	Resolve the problem of copy incorrect rules files for the different udev version.
	Add the feature to support the dashboard file with the both format of .jar and .bin.
	Add the feature to support 64bit Linux systems.
Linux Driver 4.04.00.00	Resolve the problem of loading error driver for Linux Ndis ports.
Linux Driver V100R001B401	Support the Linux dynamic PID feature
	Support the new Linux PnP solution.
Linux Driver V100R001B317	Based on the Linux Driver V100R001B315, solve the problem for AJ2D09069.
Linux Driver V100R001B315	Based on the Linux Driver V100R001B313, support the new PnP solution for data card devices.
Linux Driver V100R001B311	Solve the problem that the USB driver died while installing the Linux Dashboard and Driver tool on the data card CDROM, in the original Fedora 9.

Linux Driver V100R001B310	Based on Linux Driver V100R001B309, and make data card devices always to report multi-ports with non CDROM mode.
Linux Driver V100R001B309	Add the build-in dialing up tools into the Linux Driver Tool, then it can be used to dial up the modem.
	Add to support more new PIDs.
Linux Driver V100R001B307	1. The problem that the modem port or the SD card port is attached with the serial port driver, while restarting the Linux sytem with data card device together.
	2. The problem that system will attach the usb serial driver PL2303 for the ports of device with PID 0x1001
	3. To switch the the data card PID from 0x1401 into 0x1001 on the system with kernel version 2.6.25 or higher.

3. Known limitations and issues

No	Description
1	After the system waking up, the modem port names will be changed., if the system goes into Hibernate or Sleep while the modem is dailed up to connected with the network.
2	Because of ingoring the CDROM of data card with 0x1003 product ID, data cards, with 0x1003 product ID, will be loaded and attached USB serial driver for their CDROM port or SD card port, in the current Linux system which kernel is 2.6.20 or 2.6.21.