

Realtek USB card reader, icon driver (for Windows XP/Vista/Win7/Win8/Win8.1/Win10 all in one)

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Version[6.1.7100.30098]-WHQL (2009/07/20)

1. Support CPRM function on Win7 64-bit.
2. Speed up software D3 (USB de-link time).

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Version[6.1.7600.30101]-WHQL (2009/08/03)

1. Add re-load card after S3-resume.
2. Fix MMC card icon abnormally display after eject and S3/S4-resume.
3. Fix BSOD issue when enable CPRM under Win7-64bit.

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Version[6.1.7600.30102]-WHQL (2009/08/14)

1. Modify the device string by card type on safely remove.

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Version[6.1.7600.30103]-WHQL (2009/08/24)

1. Fix BSOD issue on DTM-USB controller Power state test.
2. Correct RTS5138 LED blinking behavior.

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Version[6.1.7600.30104]-WHQL (2009/09/03)

1. Add SSC adjustment (for EMI) function.
2. Fix event error (ID=9) when open disk manager and insert card.
3. Fix card reader display in 'Device and Printer' first time after installing driver (BIOS had modified as non-removable).
4. Fix icon displayed abnormally on some AP.

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Version[6.1.7600.30105]-WHQL (2009/09/25)

1. Block CPRM command for other than SD card.

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Version[6.1.7600.30106]-WHQL (2009/10/11)

1. Speed up sleep time of velocity test.

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Version[6.1.7600.30109]-WHQL (2009/11/16)

1. Add Co-installer function (allow completely uninstall in DM) on WinXP.
2. Solved the wrong disk icon display on external USB FlashDisk by deleting icon registry every time card insertion.
3. Solved the wrong string of update driver installation with change OS language.
4. Solved down grade card performance after selective suspend issue.

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Version[6.1.7600.30110]-WHQL (2009/12/11)

1. Solved CPRM fail after S3 resume issue.
2. Add SSC adjustment for RTS5138.
3. Add MMC and MSPro icon display for RTS5161.
4. Solved 0x7E BSOD issue.
5. Add new PID.

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Version[6.1.7600.30111]-WHQL (2010/01/07)

1. Ensure mass storage command completed before suspend. Fixed card reader abnormal when S3/S4-wakeup with card inserted.
2. Fixed BSOD issue when WLK 1.5 'CHAOS-Concurrent Hardware And OS Test' item sometimes.

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Version[6.1.7600.30113]-WHQL (2010/02/12)

1. Fixed unknown device issue for RTS5138 with particular socket.
  2. Adjust current limitation of power switch for RTS5186.
  3. Fixed disk icon disappear after S3 issue for RTS5159.
  4. Add optional setting for customize icon display.
  5. Do not reload media card's files system after S3-resume if user doesn't change card in S3.
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Version[6.1.7600.30116]-WHQL (2010/03/17)

1. Fixed XP hang up when enter S3 continually with dummy card.
2. customize icon for particular customer.

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Version[6.1.7600.30117]-WHQL (2010/03/30)

1. Customize icon label.
2. Fix driver sometimes install failure issue.

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Version[6.1.7600.30118]-WHQL (2010/04/21)

1. Add an option for customizing LED blinking.
2. Add the function of detecting card change in S3 for RTS5159-VDD.
3. Fix xD naming in device manager for particular customer.
4. Delay D3 time when registry setting is not settled down to prevent WinXP show a error message on first S3-wakeup.

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Version[6.1.7600.30120]-WHQL (2010/05/10)

1. Fix media card active-suspend couldn't continue issue.

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Version[6.1.7600.30121]-WHQL (2010/06/09)

1. Fix the problem of system shows 'Device Unplug' after first time image recovery.

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Version[6.1.7600.30122]-WHQL (2010/06/21)

1. Fix the 0x50 BSOD when run Verifier test in Vista.
2. Revised SD CPRM function.

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Version[6.1.7600.30123]-WHQL (2010/07/20)

1. Fix the problem of reader couldn't enter D2 if no D3 function.
  2. Fix RTS5169 LED problem.
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Version[6.1.7600.30124]-WHQL (2010/09/29)

1. Do not do EHCI reset patch on Win7.
2. Enhance USB transfer.

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Version[6.1.7600.30126]-WHQL (2010/11/06)

1. Fix the black screen problem of suspend-resume test on particular PC in WinXP.
2. Fix the problem of PC stuck when reboot.

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Version[6.1.7600.30127]-WHQL (2010/12/10)

1. Fix the problem of sometimes D3 function NG.

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Version[6.1.7600.30128]-WHQL (2011/07/08)

1. Add a option of to disable particular memory card.
2. Add a option of LED always ON when card inserted.

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Version[6.1.7601.30129]-WHQL (2011/07/28)

1. Upgrade CPRM function.

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Version[6.1.7601.30130]-WHQL (2011/08/19)

1. Fix the problem of a prticular PC couldn't get in DOS when warn boot.

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Version[6.1.7601.30132]-WHQL (2011/12/17)

1. Update SDHC2/MMC2 icon.
2. Modify Lun number for specific condition.
4. Add PID.

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Version[6.1.8400.30136]-WHQL (2012/06/15)

1. Add MMC disable option.
2. Add SDHC and SDXC icon.

3. Fix the problem of card type incorrectly display in system tray (safely remove).

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Version[6.2.8400.30137]-WHQL (2012/07/15)

1. Add MS/MSPPro disable option.

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Version[6.2.8400.30143]-WHQL (2012/09/10)

1. Add scsi compliance test option for device WHCK test.

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Version[6.2.9200.30146]-WHQL (2012/10/24)

1. Add xD disable option.  
2. Speed up the suspend time.

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Version[6.2.9200.30147]-WHQL (2012/11/02)

1. Fix the problem of reader allow user to write or delete file if SD in lock (actually write unsuccessfully)

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Version[6.2.9200.30148]-WHQL (2012/12/11)

1. Speed up reading/writing performance.

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Version[6.2.9200.30149]-WHQL (2012/12/17)

1. Fix the problem of 'Device and Printer' couldn't update after changing card.

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Version[6.2.9200.30150]-WHQL (2012/12/24)

1. Enhance the solution of 'Device and Printer' couldn't update after changing card.

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Version[6.2.9200.30153]-WHQL (2013/03/27)

1. Add RTS5176 LED default off control.

2. Fix the stuck problem of pause copy process and continue.
3. Fix RTS5157 icon display problem if change card in S3.
4. Fix RTS5176 problem of system can't detect the second card inserted after resume from S3/S4.

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Version[6.2.9200.30155]-WHQL (2013/04/19)

1. Add ICON\_GROUP2 to satisfy customize icon request.
2. Add RTD3 function.

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Version[6.2.9200.30158]-WHQL (2013/05/14)

1. Fix a disk event error problem in Win8.
2. Add a RTD3-Cold option.
3. RTS5176E: fix system rescan disk after S3/S4-resume.
4. Adjust selective suspend timer setting could be 1s minima.

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Version[6.2.9200.30159]-WHQL (2013/05/22)

1. Fix 7E BSOD issue.

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Version[6.2.9200.30160]-WHQL (2013/06/03)

1. Fix RTS5167E issue of system can not recognize MMC card after resuming S4 or rebooting.
2. Enhance RTS5176E OCP function.

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Version[6.2.9200.30161]-WHQL (2013/06/17)

1. Recovery USB parent port once abnormal.
2. Support RTD3-hot by adding a ForceD3Hot option.

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Version[6.2.9200.30164]-WHQL (2013/07/16)

1. New WHQL for Win8.1.
2. Support RTD3-Hot function.
3. Fix WHCK issue of Win8.1.

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Version[6.2.9200.30166]-WHQL (2013/08/30)

1. Fix 7E BSOD when system enter S4 by close the lid.

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Version[6.2.9600.30168]-WHQL (2013/09/24)

1. Fix BSOD issue when inert/remove card in S3/S4 on RTS5182.
2. Add two options of ForceHSMODE=1;ASDR25Enable=1 for RTS5176E.
3. Fix RTS5301 tray icon abnormally display issue.

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Version[6.2.9600.30169]-WHQL (2013/10/16)

1. Fix the problem of Error message pops up when mounting ISO file with SD card plugged.

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Version[6.2.9600.30171]-WHQL (2013/11/28)

1. Fine tune RTS5182 performance under Win7.
2. Enhance RTS5176E SD UHI-1 compatibility.

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Version[6.2.9600.30172]-WHQL (2013/12/10)

1. Fix card detect problem for RTS5143.
2. Support RTS5143 D3-delink function.

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Version[6.3.9600.30173]-WHQL (2013/12/27)

1. Filter un-supported IOCTL CODE which wake reader from selective suspend.
2. Extend the timeout of USB command transfer for preventing some SD card's poor response problem.

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Version[6.3.9600.30174]-WHQL (2014/01/07)

1. Enhance USB3.0 reader's performance.
2. Fix the problem of RTS5307 under two-tier TI hub in Win8.1.
3. Fix RTS5157 MP tool problem.

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Version[6.3.9600.30175]-WHQL (2014/03/03)

1. Fix RTS5187 doesn't refresh disk icon issue when changed cards after enter S4 with ejected card.
2. Fix the problem of abnormally display icon when SD card is locked.
3. Fix the problem of PC be woke when insert card during S3.
4. Support RTS532x chips.

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Version[6.3.9600.30176]-WHQL (2014/04/01)

1. Fix the problem of reader no selective suspend when first install driver and no restart PC.

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Version[6.3.9600.30179]-WHQL (2014/06/30)

1. Fix the problem of icon can not be removed normal when RTD3 and remote wakeup is conflicted.

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Version[6.3.9600.30180]-WHQL (2014/09/05)

1. Fix plug out SD card, SD icon cannot be removed normally
2. Fix S3 long run BSOD issue

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Version[6.3.9600.30182]-WHQL (2014/11/15)

1. Enhance performance on ATTO test tool with big file size.

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Version[6.3.9600.31209]-WHQL (2015/01/26)

1. Merge RTSUVStor.sys and RTSUStor.sys.
2. Change driver name to be RTSUer.sys
3. Add the 'ForceDisableWP' function.

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Version[6.3.9600.31210]-WHQL (2015/03/02)

1. Add SeeQVault function for RTS5139, RTS5179 and RTS5170.
2. Add SMBIOS setting support.



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Version[6.3.9600.31211]-WHQL (2015/03/31)

1. Add SeeQVault function for RTS5176E.

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Version[10.0.10125.31213]-WHQL (2015/05/25)

1. Modify driver version suit to Win10 format.
2. W7, W8, W8.1 W10 WHQL

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Version[10.0.10125.31214]-WHQL (2015/06/03)

1. Add customized INF.
2. Fix the yellow bang issue which caused by wrong digital sign from MSFT.

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Version[10.0.10163.31215]-WHQL (2015/07/27)

1. Update driver version in 'Add/Remove program and fearture' after WU or INF install.
2. Enhance RTS5169 USB link stability.

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Version[10.0.10240.31217]-WHQL (2015/08/21)

1. Enhance RTS5169 USB link stability.
2. Fix RTS5176E/RTS5141 problem of can't download file to SDXC card via Xunlei tool.
3. Fix unscanned files problem with SigVerif tool.
4. Fix SeeQVault compatible issue.
5. Fix card reader can't go D2 after S4-resume problem.

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Version[10.0.10240.31218]-WHQL (2015/09/17)

1. Fix the problem of SeeQVault AP cannot recognize card after reader enter in Selective Suspend (D2).
2. Fix RTS5176E SeeQvault write fail issue.
3. Fix compliance issue with paticular SeeQVault AP.
4. Fix Win7 system hang up problem when plug/unplug SD card many

times then reboot PC and plug SD card again.

5. Add new option for force disable wp fuction on RTS5138.

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Version[10.0.10240.31219]-WHQL (2015/09/23)

1. Fix a problem of system hung up after boot into Win7.

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Version[10.0.10240.31220]-WHQL (2015/10/22)

1. Fix RTS5139 Seeqvault function for fat32 format.

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Version[10.0.10240.31221]-WHQL (2015/10/30)

1. Fix the problem of selective suspend fail while a particular APP process is running.

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Version[10.0.10586.31222]-WHQL (2015/12/30)

1. Support Win10 TH2 Device Guard function.  
2. Add uninstall function after INF install driver.

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Version[10.0.10586.31223]-WHQL (2016/3/29)

1. Cancel selective suspend when CR is going to D3-delink.

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Version[10.0.10586.31224]-WHQL (2016/5/17)

1. Add program CSD vendor cmd.

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Version[10.0.10586.31225]-WHQL (2016/5/24)

1. Fix recognize card again after resume from selective suspend in Windows 10 RS1.

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Version[10.0.10586.31227]-WHQL (2016/7/22)

1. Adjust tIH timing for RTS5329.

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Version[10.0.14393.31228]-WHQL (2016/8/25)

1. Win10 RS1 WHQL logo.
2. Update SDRTCPRM.DLL to be V1.23 which add SD Formatter Erase command supporting for some USB card reader controllers.
3. Add larger SSC option for RTS5176E.

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Version[10.0.14393.31230]-WHQL (2016/10/27)

1. Fix the problem of Windows Anniversary upgrade stuck issue.
2. Fix the problem of bitlock function abnormal issue.

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Version[10.0.14393.31231]-WHQL (2016/11/01)

1. Fix BSOD issue when hot plug NFC SD card.

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version[10.0.14393.31233]-WHQL (2017/02/08)

1. Fix SDXC icon display problem if SDXC card is in GPT format.
2. Fix rapidly insert SD card, SD card cannot be recognized issue

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version[10.0.14393.31234]-WHQL (2017/03/23)

1. Fix hang issue caused by SD Extension cmd error under Win10 RS1.

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version[10.0.15063.31235]-WHQL (2017/03/23)

1. Add Read/Program CSD for RTS5170/79.
2. Win10 RS2 WHQL

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version[10.0.15063.31236]-WHQL (2017/05/08)

1. Enhance read/program CSD

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version[10.0.15063.31237]-WHQL (2017/07/10)

1. Add a option of customize LED blinking behavior.

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version[10.0.16299.31239]-WHQL (2017/10/27)

1. Win10 RS3 WHQL.
2. Support D/C/H/U.

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version[10.0.16299.31241]-WHQL (2018/02/10)

1. Add option to force disable LPM for RTS5176E.
2. Clear icon info before enter hibernate.
3. Fix 0xC4 BSOD when verifier enabled under Win10 RS4.

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version[10.0.17134.31242]-WHQL (2018/04/26)

1. Support Win10 RS4 WHQL

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version[10.0.17134.31243]-WHQL (2018/07/25)

1. Fix 9F BSOD issue of restart PC while copying data, it fixed by improving surprise remove flow when restart.

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version[10.0.17763.31244]-WHQL (2018/10/17)

1. Win10 RS5 WHQL

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version[10.0.17763.31245]-WHQL (2019/02/18)

1. Fix bit locker cannot work normally issue.

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version[10.0.17763.31246]-WHQL (2019/03/06)

1. Fix SD icon problem on 19H1
2. Fix power saving problem on 19H1

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version[10.0.17763.31247]-WHQL (2019/04/08)

1. Fix USB3.0 reader complaine on 19H1

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version[10.0.18362.31248]-WHQL (2019/04/26)

1. 19H1 WHQL

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version[10.0.18362.31249]-WHQL (2019/05/22)

1. Fix the problem of safely eject card on S0, after shutdown and boot(with Fast Startup), card cannot be recognized.

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version[10.0.18362.31251]-WHQL (2019/06/05)

1. Fix SD sometimes cannot be identified after S4.  
2. Fix the problem of system WHQL test fail on particular platform.

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version[10.0.18362.31252]-WHQL (2019/06/19)

1. Fix SD card cannot be recognized after S0->S5-S0(with SD card exist)

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version[10.0.18362.31253]-WHQL (2019/07/29)

1. SD card cannot be recognized after S4 resume on specific platform

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version[10.0.18362.31254]-WHQL (2019/09/06)

1. support specific 64GB Sandisk micro SDXC

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version[10.0.18362.31255]-WHQL(2019/09/23)

1. Add check mechanism for rtsUer.inf or rtsUerNLPM.inf.

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version[10.0.18362.31256]-WHQL(2020/03/16)

1. support DFX feature, support 20H1

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version[10.0.18362.31258]-WHQL(2020/03/26)

1. Fix 20H1 WHQL problem

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version[10.0.18362.31260]-WHQL(2020/04/10)

1. Fix 20H1 WHQL problem

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version[10.0.19041.31261]-WHQL(2020/06/16)

1. Fix 9f bug that cannot enter SS when returning from S4/S3 to S0

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version[10.0.19041.31262]-WHQL(2020/07/14)

1. Fix the bug that the video doesn't play smoothly

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version[10.0.19041.31263]-WHQL(2020/08/26)

1. Fix yellow bang issue.
2. Improve performance

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version[10.0.19041.31264]-WHQL(2020/10/12)

1. Fix system shutdown delay because of fake SD card

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version[10.0.19042.31265]-WHQL(2020/12/11)

1. support Win10 20H2

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version[10.0.19042.31266]-WHQL(2020/12/25)

1. Fix discontinuity while playing video
2. Fix smart card cannot be recognized after S3 resume
3. Modify dummy card process

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version[10.0.19042.31267]-WHQL(2021/01/28)

- 1.Fixed the compatibility issue of Fibocom L830-EB device can't

update firmware success problem.

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version[10.0.19042.31268]-WHQL(2021/04/24)

1. Fix no icon issue when insert SD in GPT format.
2. Support RTS5350, RTS5351 and RTS5355
3. Fix disk no update issue while changing card in S3.
4. Fix icon abnormal display on multi-LUN reader.

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version[10.0.22000.31269]-WHQL(2021/07/12)

1. Fix 3B BSOD issue.
2. Win11 WHQL

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version[10.0.22000.31270]-WHQL(2021/08/30)

1. Fix 0x7E BSOD issue after disable/uninstalling driver in device manager.
2. Fix cannot eject issue.

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version[10.0.22000.31271]-WHQL(2021/11/03)

1. patch security issue.

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version[10.0.22000.31272]-WHQL(2021/12/15)

1. Fix 0x50 BSOD.

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version[10.0.22000.31273]-WHQL(2022/02/28)

1. Fixed FastStatrup Card Bug.

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version[10.0.22000.31274]-WHQL(2022/04/08)

1. Enhance security issue.
  2. Fix 0x9F BSOD issue.
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version[10.0.22621.31275]-WHQL(2022/06/09)

1. Win11 SV2 WHQL
2. Fix 0x0A BSOD issue while test HLK.
3. Support SDUC disk icon.

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version[10.0.22621.31276]-WHQL(2022/08/01)

1. Fixed ICON Display issue
2. Fix detect card fail issue

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version[10.0.22621.31277]-WHQL(2022/11/22)

1. Support composite device.
2. Fix icon sometimes abnormal display after S3/S4.
3. Fix 0x9F BSOD issue.

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version[10.0.22621.31278]-WHQL(2023/01/19)

1. Fix 0x0A BSOD issue.
2. Fix 0xA0 BSOD issue.

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version[10.0.22621.31279]-WHQL(2023/02/06)

1. Fix 0xC4 BSOD issue.
2. Fix 0x50 BSOD issue.