



## **Killer**

### **Software installation for Windows**

***Release Notes***

***March 15, 2020***

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**2020 Rivet Networks LLC**

## Revision history

Revision	Date	Description
A	Sep 15, 2016	Initial Release
B	Nov 02, 2016	Updated Maintenance Release
C	Nov 09, 2016	Fixed breaking out Domains from non-browsers
D	Nov 16, 2016	Don't show Wifi Analyzer on Ethernet, fix CH characters in domain detection
E	Nov 18, 2016	Additional fix to CH characters in domain detection
F	Dec 19, 2016	Updated 11ac drivers, Bug fixes
G	Feb 02, 2017	Updated 11ac drivers, Bug fixes
H	Feb 20, 2017	Updated 11ac drivers, resolving issue seen in a small number of platforms that would cause WiFi drops.
J	Apr 18, 2017	Updated 11ac drivers, Updated Ethernet Drivers, fixes to Rivet Filtering Engine, Application, installer.
K	Jun 07, 2017	Fix IPv6 issues with CNN.com/FileVoyager.com, German Language fixes, Game Detection fixes, Updated Ethernet driver for RS1+RS2 WHQL. Fix/re-add Modify/Repair to installation.
L	Jun 22, 2017	Updated 11AC drivers to 12.0.0.312
M	Jul 03, 2017	Updated 11AC Drivers, Killer Doubleshot Pro fix, game detection updates.
N	Aug 22, 2017	Change Installer name for Microsoft JS Tool. Fix KillerDiagnostics FR. Updated 11AC Wifi driver., KCC Improvements, Doubleshot IPv6 fixes, ESET Co-existence fix.
O	Sep 28, 2017	Killer Control Center fixes, Bandwidth Estimator fixes, 11AC WiFi driver update, Ethernet driver update.
P	Nov 12, 2017	Reduced/Removed DPC interrupts from Rivet Filtering Engine driver, RS2+RS3 drivers for Ethernet, 11AC WiFi
Q	Nov 20, 2017	Fix COM initialization Killer Network Service crash, fixed connecting to L2TP/IPsec VPNs.
R	Dec 27, 2017	Advanced Stream Detect optimizations.
S	Jan 11, 2018	Added Killer 1550 support.
T	Jan 26, 2018	Detection Updates, Killer wireless driver updates, Accessibility fixes, VPN fixes
U	Jan 29, 2018	Hotfix: Issues with device discovery for some Killer Wireless devices.
V	Feb 16, 2018	Installer upgrade fixes, Proper WiFi mode shown for 1525/1435/1535 5Ghz in KCC, Updated 1535/1435 driver.
W	Mar 09, 2018	Accessibility changes. Fixed issue on a fast system boot that could cause traffic to not be seen in Killer Control Center.

X	Apr 03, 2018	Updated 1550 WLAN driver
Y	Jun 04, 2018	Wireless xTend UWD (Windows 10 1803) release.
Z	Jun 15, 2018	Fixed Rivet Filtering Engine Bugchecks (D1): RfeInsertFlowContextIntoPortTbl, flow_tagProcIdForSpc, rfeGetDeviceIdFromV4, Fixed P1 traffic always showing as Upload traffic.
AA	Jun 28, 2018	Changed the way the installer is stopping and removing Killer Network Service. Added removal of xTend services on uninstall.
AB	July 11, 2018	Updated 1550 drivers, updated 1435/1535 drivers, adjusted installer custom actions for UWD uninstall. Wireless xTend improvements.
AC	Aug 07, 2018	Updated 1435/1535 WLAN driver. Updated 1550 WLAN driver. RS3+RS4 WHQL Ethernet driver.
AD	Sep 11, 2018	Updated Killer 1550 WLAN driver, Rivet Filtering Engine/Killer Software Component driver, Killer E2X00 driver, Killer 1435/1535 driver, Installer failure to uninstall Killer Network Software component/extension drivers.
AE	Sep 21, 2018	Fixed issue with Bandwidth Test function.
AF	Jan 08, 2019	Update to Killer Software 2.0. Updates to 1435/1535 driver, 1550 driver, inclusion of E3000 and E2500v2 drivers.
AG	Feb 01, 2019	Updated WiFi drivers, Updated Game Detections. Added persistence of settings on upgrade. New Bandwidth Measurement.
AH	Mar 12, 2019	Update Killer 1550 driver. Update Killer 1435/1535 Driver. Gamefast improvements. Enhancements to KCC Bandwidth Test.
AI	Apr 05, 2019	Killer Control Center improvements. Resolved BSOD reported from MSFT Dashboard.
AJ	May 07, 2019	Updates to Killer Control Center UI, Localization fixes, Updated 1435, 1535, 1550/1650 drivers.
AK	Jun 04, 2019	Update KCC to disable Doubleshot if Hotspot gets enabled, Fix KCC issue with being able to enter SSID/Password field when in 'extend current network' mode. Add KCC App Detect Whitelist version. Fix issues causing component driver to not show as Declarative. Update Killer 1550/1650 WLAN Driver. Update E3000/E2600 Driver.
AL	Jun 24, 2019	Fix NORSK (from nn to nb), Fix speedtest issue that would occur when .net expected different number format than what was returned from test result. Fix issue in KCC that would cause higher CPU utilization. Update 1550/1650 driver.
AM	Jul 02, 2019	Updated 1550/1650 driver.

AN	Aug 02, 2019	Updated Advanced Stream Detect Rules, Adjusted Bandwidth setting notifications. Update E3000/E2600 driver.
AO	Sep 10, 2019	Updated Killer 1550/1650 drivers. Updated Killer 1435/1535 drivers.
AP	Oct 11, 2019	Updated Killer Intelligence Engine – more events and new infrastructure. Addressed CVE-2019-15661, CVE-2019-15662, CVE-2019-15663, CVE-2019-15664, CVE-2019-15665. Added KIE Toast Notification option. Settings page and Bandwidth Testing optimizations. Advanced Stream Detect optimizations.
AQ	Nov 01, 2019	Update Killer 1550/AX1650 driver.
AR	Dec 07, 2019	Update 1535/1435 Driver. Update Killer 1550/AX1650 driver. Update E3000/E3100G driver. Add support for E3000. KCC UI adjustments.
AS	Dec 12, 2019	Fixed installation of 1435/1535 driver.
AT	Jan 05, 2020	Added Intelligence Engine AP suggestion notifications, Add Extreme Game Mode auto-bandwidth option.
AU	Feb 21, 2020	Enabled KCC2.x for more network adapters. Update E3000 driver. Update 1550/1650 driver.
AV	Feb 25, 2020	Updated KCC on Microsoft Store to address Exception that could occur when selecting a KIE AP suggestion auto-connect.
AW	Mar 03, 2020	Adjust KCC display errors of ‘Recommend Actions’ on older Killer network adapters. Enhance GameFast page.
AX	Mar 15, 2020	Updated E3100 Driver. Adjust Smart Access Point Selection to automatically switch to better AP’s on the same network (same SSID).

## 1 Purpose

The software package is a single installer to install Killer drivers and software. The software package includes Ethernet driver, WLAN host driver, WLAN firmware binary, NFA board configuration data binaries, RfeCoSvc WFP driver, Killer Control Center, and Killer Network service binaries and associated software.

If applicable, a separate Bluetooth Installation is also supplied as taken directly from QCA with no additional modifications.

### 1.1 Identification

This release is:	<b>Killer Control Center Suite</b>
The release version is:	<b>2.2.1438</b>

Killer Control Center:	<b>Obtained from Microsoft App Store</b>
KCC 2.X Version:	<b>2.2.3259.0</b>

### 1.2 Filename's and MD5 Checksums

Filename:	<b>KillerPerformanceSuite_2.2.1438_UWD_x64.exe</b>
MD5 Checksum:	<b>b7c297501acec89a252aa0b2a51a6915</b>

### 1.2 Additional Considerations

The Killer Control Center application from the Microsoft Store will automatically enable or disable features as appropriate based on the capabilities of your installed Killer Hardware.. Killer E3000 and Killer 1550 contain Killer Intelligence Engine and GameFast. Previous hardware will not shows these features within Killer Control Center.

## 2 Supported Hardware and Software

The following hardware is supported in this release:

OS 64 bit	Ethernet	11AC WLAN 2.4/5Ghz	11AC WLAN 2.4/5Ghz	11AX WLAN 2.4/5Ghz
	Product Name			
Windows 10	Killer E2200	Killer 1525	Killer 1550	Killer 1650w
	Killer E2400	Killer 1435	Killer 1550i	Killer 1650x
	Killer E2500	Killer 1535	Killer 1550s	Killer 1650i
	Killer E2500v2/E2600			Killer 1650s
	Killer E3000			
	Killer E3100G			
	Killer E3100			
	Killer E3100U			

*NOTE: Windows 10 current supported RS4, RS5, 19H1, 19H2*

## 3 Installation

The software package includes a single installer for all Killer products for Windows 10. The installer automatically detects the existing Killer modules and platform OS version and then installs the respective files.

### 3.1 Installation options

The software package supports the following command line functions

Function	Command Line	Details
Silent Install	<code>setup.exe /s /v" /qn /norestart"</code>	Used for unattended Install without UI interaction.
Extract Drivers	<code>setup.exe /v"EXTRACTDRIVERS=&lt;path&gt;"</code> ex: <code>setup.exe /v"EXTRACTDRIVERS=c:\killerdrivers"</code>	Used to extract drivers from package. Note: This is only supported on FRESH or CLEAN system without current software installation present.
Help	<code>setup.exe /?</code>	Used to display help message to show all possible commands

### 3.2 Driver Version

The following table shows the driver version for Ethernet, WLAN and the BWC Filter.

OS	E2X00 Ethernet	E2500V2/E2600 Ethernet	E3000 Ethernet	E3100G Ethernet	E3100 Ethernet
Windows 10	9.0.0.50	10.038.1118.2019	10.039.0212.2020	10.039.0212.2020	1.0.0.13
	<b>1525 WLAN</b>	<b>1435/1535 WLAN</b>	<b>1550 WLAN</b>	<b>1650 WLAN</b>	
	12.0.0.448	12.0.0.938	21.80.0.4	21.80.0.4	
	<b>Killer Extension</b>	<b>Killer Component</b>			
	2.2.3259.0	2.2.3259.0			

### 3.3 Killer Control Center UWP Version

The following table shows the Killer Control Center UWP app version.

	<b>KCC 2.0 UI</b>
Killer Control Center from Microsoft Store	<b>2.2.3259.0</b>

## 4 Testing

This release has gone through a formal Rivet Networks testing cycle. The software is certified by Microsoft WHCK and all driver binaries are WHQL signed.

### 4.1 WFA Certification

The following table shows the WFA certification status

Product	Board	OS	Description
Killer 1525	NFA344i	Windows 7	Certification done, CID55138
		Windows 8.1	Certification done, CID55194
		Windows 10	Certification done, CID61609
Killer 1535	NFA364A	Windows 7	Certification done, CID58807
		Windows 8.1	Certification done, CID58808
		Windows 10	Certification done, CID61588
Killer 1435	NFA344A	Windows 7	Certification done, CID58805
		Windows 8.1	Certification done, CID58806

		Windows 10	Certification done, CID61581
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## 5 Known Issues

ID	Component	Description

## 6 Fixed Issues

- Version 2.2.1438**

ID	Component	Description
N/A	E3100 Driver	Updated Driver. Enables auto negotiation down to 1Gbps on non-compatible Multi-Gig switches.
N/A	Killer Intelligence Engine	Enabled auto switching (roaming) AP's that are part of the same network (same SSID).
N/A	Installer	Updated MSI Vendor detection algorithm to properly detect both "MSI" and "Micro-Star International Co., Ltd."

- Version 2.2.1433**

ID	Component	Description
N/A	Killer Control Center	Adjust style on GameFast page.
N/A	Killer Control Center	Corrected incorrectly flagging 'Recommended Actions Exist' on older Killer ethernet and wireless hardware.

- Version 2.2.1430 - Hotfix**

ID	Component	Description
N/A	Killer Control Center	Updated KCC on Microsoft Store to address Exception that could occur when selecting a KIE AP suggestion auto-connect..

- Version 2.2.1430**

ID	Component	Description
N/A	Killer Control Center	Refined KCC look and feel in multiple areas.
N/A	Killer Control Center	Enabled Killer Control Center 2.x UI version on all current supported Killer network adapters.



N/A	Killer E3000/E3100G driver	Updated to latest 10.039.0212.2020 WHQL driver.
N/A	Killer E22/24/25 driver	Fix BSOD seen in fast startup cycling on particular platform.
N/A	Killer E3100 driver	Update to version 1.0.0.12 WQHL driver
N/A	Killer Network Component	Update string conversion in Killer Analytics Service which could lead to higher than expected CPU and power consumption (~0.20%)
N/A	AX500 Driver	Updated to latest AX500 package, include in general release.
WIFI-34808	Killer 1550/1650 Driver	AMT_WLAN response 255 after resume from S4 with SOL/KVM connected
WIFI-34590	Killer 1550/1650 Driver	[CML-U42][19H1][BSOD_0x7e][Netwtw08!wfdRemoveScanQNode]BSOD cause by "Netwtw08.sys"
WIFI-34274	Killer 1550/1650 Driver	[ICL-U][Netwtw08!goVifSetDeviceCapabilityApi+0x14]Occurs blue screen 0x7e when idle unit with wi-fi connected
WIFI-33012	Killer 1550/1650 Driver	[ICL][19H1] CPU usage is very high due to Dynamic Tuning sometimes
WIFI-34386	Killer 1550/1650 Driver	[CML][19H2] [unicode_assert_0x66]WLAN can not search any AP after resume from MS and Radio ON/OFF
WIFI-33219	Killer 1550/1650 Driver	[ICL-U][BSOD_7E][Netwtw08!mpdCancelTimerObject] when run DRTU (21.50.0.5)
WIFI-34227	Killer 1550/1650 Driver	[ICL-U] [Netwtw08!txStreamGetTidQueue] BSoD occurred when idle unit with wi fi connected.
WIFI-31961	Killer 1550/1650 Driver	[CML] [19H1][Netwtw08!dpPeerDbDecTotalNblsCount]BSOD 0x7e point to Netwtw08 when cold boot with 21.50.0.5
WIFI-33894	Killer 1550/1650 Driver	WLAN failed to connect to hotspot/ SoftAP of new Xiaomi Phone
WIFI-3467	Killer 1550/1650 Driver	[GLK] Can not connect to the nearest AP
WIFI-33513	Killer 1550/1650 Driver	Mobile hotspot cannot turn on and show "The selected network band isn't available" in Network&Internet after resume from Soi3/Hibernate/Shutdown
WIFI-32518	Killer 1550/1650 Driver	When Mobile hotspot set to 5Ghz only and do a hibernate then resume will lost function.
WIFI-31931	Killer 1550/1650 Driver	WLAN on 5Ghz does not work well
WIFI-33099	Killer 1550/1650 Driver	NIC was lost after connecting to an 802.11ax AP

WIFI-31125	Killer 1550/1650 Driver	Cannot connect to any WLAN AP in production line testing 0x20101208.
WIFI-33249	Killer 1550/1650 Driver	[assert 0x1208]WIFI yellow bang during online video streaming
WIFI-32959	Killer 1550/1650 Driver	The wireless AP list showed "No Wi Fi networks found" occasionally
WIFI-30419	Killer 1550/1650 Driver	device shows Yellow Bang when running Reboot/ Coldboot stress test
WIFI-33659	Killer 1550/1650 Driver	[CML][19H1] [Assert_0x105e]Disconnect from AP after Resume from MS
WIFI-34967	Killer 1550/1650 Driver	Occurred 0x7e BSOD when reconnecting the wireless AP then change AP channel/ password
N/A	Killer 1550/1650 Driver	The following security issue is resolved in this release: see INTEL TA 00338 <a href="https://cdrdv2.intel.com/v1/dl/getContent/618472">https://cdrdv2.intel.com/v1/dl/getContent/618472</a>

- **Version 2.2.1403**

ID	Component	Description
N/A	Killer Intelligence Engine	Fixed installation of 1435/1535 driver version 12.0.0.927
N/A	Killer Intelligence Engine	Enable auto-connect to same SSID, enable user choice auto connect to different SSID
N/A	Killer Prioritization Engine	Add Extreme Game Mode option. Used to auto adjust bandwidth during gaming sessions.
N/A	Killer Control Center	Added popup/toast notifications for KIE AP suggestions.

- **Version 2.2.1397**

ID	Component	Description
N/A	Installer	Fixed installation of 1435/1535 driver version 12.0.0.927

- **Version 2.2.1391**

ID	Component	Description
N/A	Killer E3000/E3100G Driver	Added support for E3100G
N/A	Killer E3100 Driver	Inclusion of E3100 device driver.
2545361	Killer 1435/1535 Driver	Yellow Bang occurs when rebooting is repeated while connected to WPA3-SAE AP
2539426	Killer 1435/1535 Driver	BSOD "DRIVER_VERIFIER_DMA_VIOLATION" occurred after running PLDR Test
WIFI-32651	Killer 1550/1650 Driver	[ICL-U] [Netwtw08!mpdlCancelTimerObject] when run DRTU (21.50.0.5) on MTEOS 0.150.0

WIFI-31446	Killer 1550/1650 Driver	BSOD after install Intel Killer 1650 WLAN driver
WIFI-31956	Killer 1550/1650 Driver	[AML-Y] Network selection test failed
WIFI-31935	Killer 1550/1650 Driver	[ICL] 11ac throughput becomes much lower after connecting to 11ax AP
WIFI-31761	Killer 1550/1650 Driver	Client rejects AP's association response frame even though Status = Success ThP,JfP,
N/A	Killer Filtering Engine Driver	Added support for E3100 and E3100G devices.
N/A	Killer Control Center	Added refresh to Killer Intelligence Engine Notification screen.

• **Version 2.1.1362**

ID	Component	Description
WIFI-30573	Killer 1550/1650 Driver	WiFi shows "No drivers are installed for this device" in Device Manager after Modern Standby resume
WIFI-31007	Killer 1550/1650 Driver	TX power is not correct when turn radio off/on
WIFI-27153	Killer 1550/1650 Driver	Wifi device got yellow bang during S3 and coldboot long run test
WIFI-30240	Killer 1550/1650 Driver	After 5 minutes the wifi power in laptop mode falls back to low power.
WIFI-30708	Killer 1550/1650 Driver	[19H1]Bluescreen 0xD1 when shutdown unit. prvHmfmUpdateHtInBssEntry()
WIFI-29353	Killer 1550/1650 Driver	[ICL-U][HrP2] - System can't find mobile device via wifi direct scanning.
WIFI-29651	Killer 1550/1650 Driver	[BSOD 0xD1][Netwtw08!prvHmfmUpdateHtInBssEntry] blue screen occurred when click network icon after disabled Optane.
WIFI-31380	Killer 1550/1650 Driver	Create SoftAP cannot success any longer after stress transfer files PC-to-PC test via Share app
WIFI-29059	Killer 1550/1650 Driver	WLAN device will YB after cold Boot
WIFI-28562	Killer 1550/1650 Driver	[CFL-R][CcP2] WIFI encounter Yellow mark with error code 10 and Bluetooth device lost after reboot with CCP2 module.
WIFI-27922	Killer 1550/1650 Driver	Error"Device ...10 (0xA) in device manager." occurred when run WinPVT10.0B Standby Critical Focus.
WIFI-26225	Killer 1550/1650 Driver	[Win10] Wireless LAN device show yellow bang in device manager when run Treboot(reboot) at 5 times
WIFI-29967	Killer 1550/1650 Driver	4 Stress_DeviceYB_Inter(R) WiFi 6 AX200
WIFI-29440	Killer 1550/1650 Driver	[WHL][19H1] WiFi YB and BT lost when S4 stress test
WIFI-28356	Killer 1550/1650 Driver	[19H1] show yellow bang in device manager after restart DUT
WIFI-30989	Killer 1550/1650 Driver	[CCP2]:Wifidevice changed to YB and BT device changed to USB unknown Device/Lost during S3 stress test
WIFI-29451	Killer 1550/1650 Driver	[CFL] WiFi Yellow Bang(Code10) & unknown USB Device(BT Code43) when running S3/S4/Reboot aging

WIFI-30060	Killer 1550/1650 Driver	[CML]Create 5G(149) softapfailed and assert 0x28AA if calling "WifiPanSetPreferredChannelSettings" Intel API to set preferred channel 149.
WIFI-25511	Killer 1550/1650 Driver	[WHL] 11n RX Coextest(A2DP+Mouse+RX) WiFi Throughput Fail
WIFI-30207	Killer 1550/1650 Driver	The WifiAP list will disappear automatically when repeatedly click WLAN icon(no internet connect).
WIFI-30957	Killer 1550/1650 Driver	WiFi failed to receive DHCP reply at the first time because DHCP discover PN is initialized to 0(not follow IEEE 802.11 Spec),when Phone starting softap
WIFI-29970	Killer 1550/1650 Driver	[CFL/CCP2/RS6 18362] BT fail to turn on when Airplane on -> S4 -> airplane off
WIFI-30160	Killer 1550/1650 Driver	[CML_C_WIFI] WIFI device shows yellow bang after connect to ax 5G wireless router
WIFI-30223	Killer 1550/1650 Driver	[W10/CML/HrP] Error message "Error reported by Windows in the System Event Log: ACPI:10" occurred when run
WIFI-27529	Killer 1550/1650 Driver	[W10/CML/HrP] WLAN showed yellow bang in DM after run WinPVT10.0B Standby Critical Only Test.
WIFI-31125	Killer 1550/1650 Driver	Cannot connect to any WLAN AP in production line testing
WIFI-31241	Killer 1550/1650 Driver	ICL/AX201/19H1] WiFiYellow Bang occurs in AX201 LTE SKU when connecting to AP
WIFI-30234	Killer 1550/1650 Driver	Randomly client will disconnect and reconnect following 5002 event

• **Version 2.1.1352**

ID	Component	Description
1612	Rivet Filtering Engine	Resolved CVE-2019-15661, CVE-2019-15662, CVE-2019-15663, CVE-2019-15664, CVE-2019-15665
N/A	Killer Control Center	Added additional Killer Intelligence Engine events
N/A	Killer Control Center	Added Toast style notifications enablement
N/A	Killer Control Center	Adjusted the layout of the Settings Page
N/A	Killer Control Center	Adjusted Killer Bandwidth Tester window
N/A	Killer Intelligence Engine	Added additional Killer Intelligence Engine events
N/A	Killer Intelligence Engine	Adjusted message and added notification event for AP Suggestions
N/A	Killer Intelligence Engine	Reworked Killer Intelligence Engine infrastructure
1653	Killer Control Center	WWAHost.exe Process persists after the Speedtest window is closed
N/A	Advanced Stream Detect	Optimized Advanced Stream Detect functionality while Priority 1 and 2 items are running.

- **Version 2.1.1334**

ID	Component	Description
2486420	Killer 1435/1535 Driver	Resolved IOCTL command could make Wi-Fi driver yellow bang
2476356	Killer 1435/1535 Driver	Resolved 0x0A BSOD happened when the system resumed from S3.
2475244	Killer 1435/1535 Driver	Resolved WHQL test -Wlan Test - Wlan Device Reset Check fail
WIFI-28541	Killer 1550/1650 Driver	The TX power index is incorrect when SAR manager set SAR back off state to WDI_SARBACKOFF_DISABLED
WIFI-29033	Killer 1550/1650 Driver	[CFL-R/CcP2Netwtw08!PulsarHalLayer][BSOD 0x7e] BSOD occurred while running S3 to S4 Timeout Focus Test.
WIFI-26928	Killer 1550/1650 Driver	WiFi driver v21.20.1.1 fail to play LINE today video thru Chromecast.
WIFI-26833	Killer 1550/1650 Driver	Screen freeze after connecting to Chromecast
WIFI-28426	Killer 1550/1650 Driver	PC cannot automatically connect to AP and also cannot receive the skype call during Modern Standby
WIFI-26629	Killer 1550/1650 Driver	[ICL-U] assert 0x0231 was found during AX201 MS resume test
WIFI-27541	Killer 1550/1650 Driver	[uicode_assert_0x34]Mobile hotspot cannot be established when connect to internet by Lan cable/2.4GHz/5GHz AP.
WIFI-28579	Killer 1550/1650 Driver	[ICL] CNV Reports Shorter LTR to block SoCto enter PC10
WIFI-26233	Killer 1550/1650 Driver	[ICL] Can't connect to network at 11g ch11 when test conductive power / Chain B only
WIFI-24211	Killer 1550/1650 Driver	[CFL-H][JfP2][OEM] DUT disconnect from wireless display while Miracast online video
WIFI-24726	Killer 1550/1650 Driver	[WHL][CcP][WinRS5][Miracast] Miracast disconnection with assert 5007 after playing YouTube for long duration
WIFI-14262	Killer 1550/1650 Driver	[CSME 12][CS]No wireless manageability connectivity during CS state on WHL
WIFI-28872	Killer 1550/1650 Driver	BSOD 0xD1 occurs during streaming via mobile hotspot with WWAN by Netwtw08!dpPeerDbUpdateShouldNotifyPeerTimChange+0x2b Function
WIFI-29452	Killer 1550/1650 Driver	[WHL/CcP2] Intel WLAN internet disconnect during Zoom meeting.
WIFI-27908	Killer 1550/1650 Driver	FCC CH13 band edge fail
WIFI-28594	Killer 1550/1650 Driver	AX201D2W AdaptivityTest fail
WIFI-28661	Killer 1550/1650 Driver	[CML][9462]WLAN frequently "no internet" and can not visit internet when playing online Youtube
WIFI-29720	Killer 1550/1650 Driver	[CML][9462] WiFi disconnected after test through put between 20~30 secs
WIFI-29739	Killer 1550/1650 Driver	[CML][9462]Miracast connect fail after first OOB
WIFI-29828	Killer 1550/1650 Driver	Connected AP show "no internet" and Mobile hotspot can't be turned with Intel 9462 WLAN card.

WIFI-29547	Killer 1550/1650 Driver	Intel 9462 Miracast connect fail
WIFI-29258	Killer 1550/1650 Driver	[CML][AX201/9560]WLAN show "no internet" and ping gateway fail when playing online video with 'auto connect' unchecked.
WIFI-28579	Killer 1550/1650 Driver	[ICL][19H1] CNV Reports Shorter LTR to block SoCto enter PC10
WIFI-29634	Killer 1550/1650 Driver	[CML][HrP2] -System can't get ipaddress with wireless router(Cisco1131)
WIFI-22475	Killer 1550/1650 Driver	[W10/CcP2/WHL] MSC power consumption over spec over long run (>4 hours)
WIFI-29733	Killer 1550/1650 Driver	[ConnectionReliability] 0x13a_11_eKkt_Netwtw08!memFree; KERNEL_MODE_HEAP_CORRUPTION (13a)
WIFI-22475	Killer 1550/1650 Driver	[W10/CcP2/WHL]MSC power consumption over spec over long run (>4 hours)
WIFI-29967 WIFI-27922 WIFI-26225 WIFI-28562 WIFI-29059 WIFI-28356 WIFI-29451 WIFI-29440	Killer 1550/1650 Driver	MAC access failure
WIFI-30058	Killer 1550/1650 Driver	[CcP2][Netwtw08!cosai_lock_irqsave_win_kernel] BSOD 0x0A occurred when run Stress6(WSMAN SOM0 to SxM3 ME Idle PWR Stress) under WOWLAN enable mode
WIFI-29709	Killer 1550/1650 Driver	Customer specific issue related to disconnection from specific AP
WIFI-29353	Killer 1550/1650 Driver	System can't find mobile device via wifidirect scanning

• **Version 2.1.1313**

ID	Component	Description
1607	Killer Control Center	Stop Windows Notifications for Setting Bandwidth
1608	Killer Control Center	Change Bandwidth Setting severity to Orange/Medium
N/A	Advanced Stream Detect	[Advanced Stream Detect] Numerous rule adjustments and additions.
N/A	Killer E3000 Driver	For E3000, fix giga mdi loopback fail issue.
N/A	Killer E3000 Driver	For E3000, fix lan lost issue.
N/A	Killer E3000 Driver	Fixed speed not matched when system resume from sleep.

• **Version 2.1.1299**

ID	Component	Description
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WIFI-19720	Killer 1550/1650 Driver	[WHL/AX200] 2.4GHz 11n 40M WiFi T-PUT w/ BT co-ex is not stable at RX direction w/ NetgearR7000
WIFI-22120	Killer 1550/1650 Driver	[WHL/CcP] AX200 show yellow bang (code 10) in device manager during reboot test
WIFI-23970	Killer 1550/1650 Driver	[WHL][9560][Win10 RS5] Miracast connection with LG TV (KR) fails because WiFi is using 5G Ch165 for Miracast
WIFI-24913	Killer 1550/1650 Driver	[WHL][9560][Win10 RS5]Connect to AP successfully but unable to connect to Internet(Assert=2BCF)
WIFI-25669	Killer 1550/1650 Driver	[ICL-HrP2 1216] [BSOD_0x7E][Netwtw08!privDptfAgentGetTemperature] BSOD 0x7E happens during S3/S4 pressure testing
WIFI-25862	Killer 1550/1650 Driver	The measured power for Laptop mode is lower than expected.
WIFI-25932	Killer 1550/1650 Driver	[ICL-HrP2 1216] [BSOD_0x1A][Netwtw08+0x38feba] BSOD 0x1A happens during S3/S4 pressure testing using STHFW5051_21.10.0.1
WIFI-25933	Killer 1550/1650 Driver	[ICL-HrP2 1216][BSOD_0x50][Netwtw08+0x38feba] BSOD 0x50 happens during S3/S4 pressure testing using STHFW5051_21.10.0.1
WIFI-26170	Killer 1550/1650 Driver	[ICL-U] [AX201&9560][Assert_0x84]AX201&9560 will show limited internet and can not visit internet after resume from MS, then it can auto recover after 5-10 seconds
WIFI-26227	Killer 1550/1650 Driver	[BSOD_0xD1][Netwtw08!DeviceControlLayer::ImageLoaderPciQuasar::postWriteChunkStep] BSOD 0xD1 caused by Netwtw08.sys while running OpenGL Sub.
WIFI-26343	Killer 1550/1650 Driver	[ICL-U] 9560 will show no internet randomly under daily office with 21.20.0.4 PC driver
WIFI-26480	Killer 1550/1650 Driver	Stress_CB_Deviceappeared Intel Wireless 1650 WiFi Driver YB
WIFI-26542	Killer 1550/1650 Driver	[WHL][9560][Win10 RS5]Connect to AP successfully but unable to connect to Internet(Assert=B69A)
WIFI-26715	Killer 1550/1650 Driver	[ICL-U] [BSOD_0xD1][Netwtw08!DeviceControlLayer]9560 BSOD 0xD1 happen while MS functions testing
WIFI-26782	Killer 1550/1650 Driver	[ICL-U] [AX201][FW Assert_0x5d] One specific unit of SIT Phase#2 have high F/R(happen within 20 cycles) WIFI YB during CB stress
WIFI-27420	Killer 1550/1650 Driver	[ICL-U] [Assert_0x84]AX201&9560 will show limited internet and can not visit internet after resume from MS, then it can auto recover after 5-10 seconds.
WIFI-26831	Killer 1550/1650 Driver	[AX201] WLAN won't re-enable after unplug lancable from dock
WIFI-27838	Killer 1550/1650 Driver	[ICL-U][9560]assert 0x1F15 was found and Roaming fail during MS Roaming test

WIFI-27842	Killer 1550/1650 Driver	[ICL-U] [BSOD_0x7E][Netwtw08!bssVifGetMacIdAndColorAPI]9560 BSOD 0x7E happen while MS functions testing
WIFI-27922	Killer 1550/1650 Driver	Error"Device' ...10 (0xA) in device manager." occurred when run WinPVT10.0B Standby Critical Focus.
WIFI-25974	Killer 1550/1650 Driver	[CcP][P2P]TCP traffic stops unexpectedly or doesn't start when AMSDU is enabled on source side (client)
WIFI-25355	Killer 1550/1650 Driver	[CcP]-After resuming from Airplane mode on high Band channel User got redXfor ~5 sec, WRT collected event 5002 with uCodeASSERT (rtStatus= 0xEDC).
WIFI-26171 WIFI-26448 WIFI-26166	Killer 1550/1650 Driver	subsystem ID missing

• **Version 2.1.1295**

ID	Component	Description
N/A	Killer Control Center	Fixed issue that would cause Killer Control Center to utilize more CPU while idle than intended.
1593	Killer Control Center – Speed Test	Test fails to see completed result when OS language is in a different number structure language than the website
1592	Killer Control Center	[Localization][KCC v1 and v2] Incorrect language code for NORSK, should be nb, not nn
WIFI-26059 WIFI-26196	Killer 1550/1650 Driver	JfP1-Div (9462) not supported on CML/ICL

• **Version 2.1.1295**

ID	Component	Description
N/A	Killer Control Center	Update KCC to disable Doubleshot if Hotspot gets enabled
N/A	Killer Control Center	Fix KCC issue with being able to enter SSID/Password field when in 'extend current network' mode.
N/A	Killer Control Center	[Feature Request] Add Application Priority whitelist version feature.
N/A	KillerNetworkComponent Driver	Fixed Issues shown by infverif tool that prevented 'Declaritive' driver status.
N/A	E2600/E3000 Driver	Eliminate infverif error message ERROR(1332)
N/A	E3000 Driver	For E3000, update parameters
N/A	E2600/E3000 Driver	Add support for building driver with retpoline support
N/A	E2600 Driver	For E2500/E2600, fix compatibility issue to Ruckus ICX 715048Zp switch 2.5G port with different approach



N/A	E2600 Driver	Fixed E2500/E2600 LED still blinking after phy is powered down by PHY disable mode is enabled
N/A	E2600/E3000 Driver	19H1 RTM HLK pass
N/A	Killer 1550/1650 Driver	Added support for Windows 10 May 2019 Update (19H1) and incrementversion number for upgradability
WIFI-19457	Killer 1550/1650 Driver	[WHL/9560] WLAN YB occurred in warm boot testing when WLAN is turned radio off (CSME 12.0.30.1408)
WIFI-19674	Killer 1550/1650 Driver	[KBL][9260][Win10 RS4] DUT would randomly disconnect AX88U due to missing beacon
WIFI-21117	Killer 1550/1650 Driver	[BSOD 0xD1][Netwtw08!txResourcesMgrGetTxStreamFromIndex]BSOD occurred during normal usage.
WIFI-22422	Killer 1550/1650 Driver	[ICL-U] [AX201][FW Assert_0x2078]pre-QS AX201 with D0 CPU can't SCAN AP after stress CB test
WIFI-22812 WIFI-24717	Killer 1550/1650 Driver	[WHL/9560][FW Assert 0x1C5720]WLAN device occurred yellow bang, when repeated reboot with RF
WIFI-22815	Killer 1550/1650 Driver	ANT tool rssivalueis wrong on specific platform
WIFI-22833	Killer 1550/1650 Driver	ASSERT ID:5035 during wifidisable/enable stress test
WIFI-23148	Killer 1550/1650 Driver	[ICL-U] SAR Manager fails to call WDI_GET_SAR_STATE in Wifidriver
WIFI-23339 WIFI-24802	Killer 1550/1650 Driver	[ICL-U] [9560]latest DRTU 1913 not work and always local connect fail
WIFI-23453	Killer 1550/1650 Driver	[CML] 9462 Wlandriver can't install (show yellow bang in device manager) with 21.10.0.5 driver on preQSCPU / NONE_TX_RX_ASSERT -tag: 0x7561 / NONE_TX_RX_ASSERT -tag: 0x2915
WIFI-25968	Killer 1550/1650 Driver	JFP1 9461 YB with WLAN driver v21.10.1.2
WIFI-23883	Killer 1550/1650 Driver	[CML] 9462 Wlanyellow bang in device manager on preQSCPU
WIFI-23923	Killer 1550/1650 Driver	[RS6][9560]Hotspot auto turn off and internet disconnect when share 2.4G to 5G with Intel 9560 card.
WIFI-24184	Killer 1550/1650 Driver	[ICL-U] AX201&9560 will show limited internet and can not visit internet after resume from modernSTBY
WIFI-24209	Killer 1550/1650 Driver	[WHL] Intel AX200 has No Internet Access issue after WinPVTRestart test and idle for a while
WIFI-24801	Killer 1550/1650 Driver	[ICL-U] [AX201][FW Assert_0x2078]pre-QS AX201 with D0 CPU can't SCAN AP after stress CB test
WIFI-25127	Killer 1550/1650 Driver	[ICL-U] 9560 will show no internet randomly while idling or under function/stress test
WIFI-25393	Killer 1550/1650 Driver	9560/9462 Wlanyellow bang in device manager on preQSCPU
WIFI-20803	Killer 1550/1650 Driver	Installed Intel WLAN auto disconnect AX88U AP after 30 minutes later

- **Version 2.1.1281**

ID	Component	Description
N/A	Rivet Filtering Engine	Identified and fixed issue that would occasionally cause traffic to not pass on certain systems/networks
N/A	Killer Control Center	Killer Control Center Intelligence Engine UI update
1581	Killer Control Center	Add website popup has a cut off string in all languages
1574	Killer Control Center	add Baidunetdisk.exe as default, YoukuNPlayer.exe as streaming
1567	KillerNetworkComponent Driver	[CustomizeInstallFirstRun] proper configuration fails against the current 'Killer 1550' device name
1558	Killer Control Center	Popup windows without icons in taskbar / can maximize to full screen
N/A	KillerNetworkComponent	Used DUA to resolve dependency issue causing xTendUtilityService to cause WLAN Profile loss during PBR.
WIFI-22147	Killer 1550/1650 Driver	[BSOD_0x7E][Netwtw08!bssVifGetMacIdAndColorAPI] BSOD 0x7E occurred while running S3 stress test
WIFI-14182	Killer 1550/1650 Driver	Intel9560 MP card has worse spectrum mask/EVM than QS card's
WIFI-16825	Killer 1550/1650 Driver	Conductive power test values are not match BIOS SAR table in both 2.4G and 5G
WIFI-17939	Killer 1550/1650 Driver	[KBL][8265][RS4] Wifi radio is off and cannot be turned on after enabling HW rkill
WIFI-18508	Killer 1550/1650 Driver	[BSOD_0x7F][Netwtw08!prvDpDebugPrintFrame+1b5] BSOD occurs during file transfer over wifi connectio
WIFI-18786	Killer 1550/1650 Driver	[KBL-R/8265] Wireless Drop - Intel 8265(uCode assert 0x8FE)
WIFI-19618	Killer 1550/1650 Driver	5G AP with 1200M very slow, needs 3 mins up for appear. (with specific APs)
WIFI-20138	Killer 1550/1650 Driver	[BSOD_0x1E][Netwtw08!rxDetainerIsActiveApi] BSOD 0x1E happens while running WinPVT S3 to S4 timeout focus test
WIFI-20636	Killer 1550/1650 Driver	[FW Assert_0x942]Intel-9462 yellow bang issue during WB test
WIFI-20903	Killer 1550/1650 Driver	[FW Assert_0x71] AX201 pre-QS sample WIFI always show YB with D0 CPU
WIFI-21059	Killer 1550/1650 Driver	WLAN off or airplane mode on, then to turn it on again, WiFi will turn off
WIFI-22252	Killer 1550/1650 Driver	[BSOD_0x50][Netwtw08!nicDbgDumpPrintFSEQDebugDataApi] BSOD occur "PAGE_FAULT_IN_NONPAGED_AREA(50)" when install driver with inf file for 9462 module
WIFI-17798	Killer 1550/1650 Driver	Critical 802.11w related bug fix
N/A	Killer 1550/1650 Driver	Added support for Windows 10 May 2019 Update (19H1) and increment version number for upgradability

2384292	Killer 1435/1535 Driver	Resolved the vulnerability in Windows WLAN Kernel Driver
2402586	Killer 1435/1535 Driver	BSOD when system running S3 aging test.
2406173	Killer 1435/1535 Driver	Resolved Wlansvc cannot run

### • Version 2.0.1175

ID	Component	Description
N/A	Installer	Removed Repair option from installer when re-running from EXE to ensure consistent experience
1556	Killer Control Center	[KCC][GameFast] On/Off toggle text is cut off on most non-english languages
1550	Killer Control Center	[KCC][UI][Overview] Categories retain previously displayed Priority level while being moved up and down
N/A	Killer Control Center	Fix Traditional Chinese localization issues
1553	Rivet Filtering Engine	[kfec0] BSOD from Microsoft Dashboard on latest Release of KfeCo10X64.sys
N/A	Killer Detection Engine	Add/prioritize WeChat
N/A	Killer Detection Engine	Add/prioritize QyPlayer, Thunder
N/A	Killer Detection Engine	Fix priority of Black Squad game
N/A	Killer Detection Engine	Fix priority of The Division 2 game

### • Version 2.0.1170

ID	Component	Description
1542	GameFast	Unselected Services are being affected by Gamefast turning on/off
N/A	GameFast	Killer Network Service was selectable in GameFast UI, enabling user to put system into a bad state.
1531	Killer Control Center	[Speedtest][GUI][Killer Control Center] Blank Speedtest Window while KCC running as Administrator
1535	Killer Control Center	[Speed Test] The Win32WebViewHost Process persists after the SPEEDTEST window is closed
1535	Killer Control Center	[Speed Test] The Win32WebViewHost Process persists after the SPEEDTEST window is closed
WIFI-15739	Killer 1550 Driver	WiFi show limited connection issue
WIFI-16023	Killer 1550 Driver	[RS5][BSOD_0x1E][Netwtw08!dpPeerDbGetMacIndex] BSOD KMODE_EXCEPTION_NOT_HANDLED (1e) observed during CS, S4 & WR Cycles Pointing Intel WiFi Driver
WIFI-16561	Killer 1550 Driver	[CFL/AX200][BSOD_0x133][Netwtw08!nicHandleEventRunin BSOD_0x133 is pointed to AX200 WiFi

WIFI-19461	Killer 1550 Driver	[BSOD_0xA][Netwtw08!osalMemoryCopy] BSOD 0xA occurred when surfing internet after connecting wireless AP
WIFI-16291	Killer 1550 Driver	AX200 QS connection speed to AX88U shows lower than 2.4Gbps when idle or in Rx TPT test case
2384916	Killer 1435/1535 Driver	Resolved S4 yellow wireless card issue
2372733	Killer 1435/1535 Driver	Resolved 2.4G n mode HT40 RX Fail
2372540	Killer 1435/1535 Driver	Resolved card fail on MS WHQL resume latency (resume time)

### • Version 2.0.1159

ID	Component	Description
1218	Killer Network Service	[Feature Request] Support migration of settings on upgrade of KillerNetworkService
N/A	Killer Control Center	New Bandwidth Measurement integrated into Killer Control Center
1495	Killer Control Center	Wifi analyzer HT Capabilities overlaps AP name
1520	Killer Control Center 2.0	Default size on 1920x1080 with 125DPI is too large, bottom of app cut off
1506	Killer Control Center	SSID in doublebyte (chinese) AP Name is incorrect.
N/A	Killer 1550 Driver	Updated to driver version 20.120.0.4
WIFI-16461	Killer 1550 Driver	uCode ASSERT: rtStatus = 0x84
WIFI-12859	Killer 1550 Driver	BIOS setting is not applied in DRTU (08048_11_1832_0g) - WRDS"
WIFI-13938	Killer 1550 Driver	Yellow bang happened when doing reboot test
WIFI-14284	Killer 1550 Driver	connection drop under Modern standby.
WIFI-14589	Killer 1550 Driver	Miracast connection fails after repeating the connection
WIFI-15127	Killer 1550 Driver	[BSOD_0x50][Netwtw08!rfdQueueGetMemDescriptorRFH+0x8c] BSOD 0x50 happens when keep system idle
WIFI-15175	Killer 1550 Driver	[THP2 1216][BSOD_0x7E][AV_Netwtw08!prvhAmtHeciSendIrp] Stress_MS_BSOD code SYSTEM_THREAD_EXCEPTION_NOT_HANDLED w dump.(BSOD code7E)
N/A	Killer 1535/1435 Driver	Updated to driver version 12.0.0.820
N/A	Installer	Remove disable of NDU windows service during install.

### • Version 2.0.1134

ID	Component	Description
N/A	Software Package	Update to version 2.0 of Killer Software. Numerous feature additions, fixes and optimizations.
N/A	Killer Control Center UWP	AutoStart with Windows now fully supported. Proper entry shown in Task Manager Startup Tab. Startup behavior is minimized to system tray.

N/A	Killer Control Center	Updated Simplified and Traditional Chinese strings.
N/A	Killer Control Center	Updated UI size on 1920 x 1080, 125DPI setting as window would open slightly too large.
2240320	Killer 1435/1535 driver	[NFA364A] Wi-Fi antenna frontend control firmware change
2345366	Killer 1435/1535 driver	[NFA344A] Resolved network unstable when BT is on
2360478	Killer 1435/1535 driver	Resolved BSOD when running the cold-boot stress test
2363601	Killer 1435/1535 driver	Resolved Modern Standby Exit latency issue
N/A	Killer E2500v2 Driver	Add registry key "*ModernStandbyWoLMagicPacket" to Windows 10 inf files. Default value is "0".
N/A	Killer E2500v2 Driver	Add support for power saving mode.
N/A	Killer E3000 Driver	activate ASPM function.
N/A	Killer E3000 Driver	Add registry key "*ModernStandbyWoLMagicPacket" to Windows 10 inf files. Default value is "0".
N/A	Killer E3000 Driver	update parameters and set thermal sensor overtemp_thr to 120 degree.
N/A	Killer E3000 Driver	E3000 cannot access Microsoft App Store when LSO is enabled and link speed is 100Mbps.
N/A	Killer E3000 Driver	default enable EEE/Advanced EEE/UPS.
N/A	Killer E3000 Driver	Add support for power saving mode.
WIFI-13883	Killer 1550 Driver	[BSOD_0x133][Netwtw08!nalOptDirectReadReg] BSOD 0x133 DPC WATCHDOG VOILATION occurred when running overnight Test
WIFI-11356	Killer 1550 Driver	WIFI connect AP take too long(about 30 sec to 60 sec) after restart to system - No beacon after connection
WIFI-11128	Killer 1550 Driver	After Win10 RS5 system Modern-standby resume, WiFi shows limited internet connection
WIFI-14035	Killer 1550 Driver	[BSOD_0x133][Netwtw08!dddNdisAcquireSpinLock] BSOD during using 5G hotspot
WIFI-12588	Killer 1550 Driver	[Win10_RS5] Wireless icon Show red X after resume from hybrid shutdown
WIFI-12637	Killer 1550 Driver	[Win10_RS4] WLAN is not automatically connected to AP after system restart
WIFI-11956	Killer 1550 Driver	[GLK-JFP2-1216] WLAN device Yellow bang issue
WIFI-13820	Killer 1550 Driver	[Win10_RS5] Sometimes OS displays "No Wi-Fi networks found"
WIFI-13760	Killer 1550 Driver	[Win10_RS5] Miracast becomes disabled after S3 cycle in RS5
WIFI-12594	Killer 1550 Driver	[ThP2][WiFi] uCode ASSERT (lmacID = 0x0, rtStatus = 0x104B) during IPerf longevity test
WIFI-14336	Killer 1550 Driver	WiFi icon show red X and No WiFi networks found

WIFI-13729	Killer 1550 Driver	[RS5]WiFi icon shows limited connection after resume from MS, but it can auto recover in 30~60secs
WIFI-14549	Killer 1550 Driver	[BSOD_0x9F][nt!PnpBugcheckPowerTimeout] Manual_CB_DC Bluescreen(Bsod:0X9f) w/ dump file when do manual_CB_DC
N/A	Killer Network Service	Fix issue with Chinese SSID being displayed incorrectly in KCC
N/A	KillerNetworkComponent	Fix issue where Killer 1550 device name change caused Domain detection to not be enabled.
1492	Killer Control Center	[KCC][UI][APPS][Block] Priority 1 applications can be Blocked in the GUI
1494	Killer Control Center	[UI Refresh] Wifi Analyzer sizing issues
1488	Killer Control Center	Gamefast number formatting
1497	Killer Filtering Engine	[kfecovc] BSOD see in field – Malformed packet
1502	Killer GameFast	GameFast is not disable on reboot in 'manual' mode.
1452	Killer Network Service	Memory Issue - Large Non-Paged pool usage if Service is on/started.
1493	Rivet Filtering Engine	E3000 issues loading most websites when linked at 100Mbps Full
WIFI-12362	Killer 1550 Driver	The wifi icon show red X after connecting with WIDI and clicking the wifi icon on task bar
WIFI-11512	Killer 1550 Driver	Can't connect wireless WAPI AP with message "password is not correct" pops up after done configuration environment then input right password.
WIFI-9931	Killer 1550 Driver	WAPI-PSK cannot be connected with WAPI1493.
WIFI-11935	Killer 1550 Driver	System occurs BSOD 0x7E, stop code SYSTEM_THREAD_EXCEPTION_NOT_HANDLED when run warm boot – non-Intel platform
WIFI-12376	Killer 1550 Driver	Intel 9560 WLAN Upload TpT with 11ac is not stable
WIFI-11936	Killer 1550 Driver	[BSOD 0xD1][Netwtw08!bssPluginHandleBeaconReceivedAPI] BSOD during surfing Internet
WIFI-11844	Killer 1550 Driver	[BSOD-0x133][Netwtw08!mibTblLockerEnterWrite+0x83] occurred during AP connection
WIFI-11128	Killer 1550 Driver	After Win10 RS5 system Modern-standby resume,WiFi shows limited internet connection
WIFI-12107	Killer 1550 Driver	"0xd1" BSOD occurred after idle about half an hour.
WIFI-11663	Killer 1550 Driver	Random wireless disconnection issue - Connect/roam task/Allowed BSSIDs list
WIFI-12126	Killer 1550 Driver	Random wireless disconnection issue - DFS/BSS timestamp
2334067	Killer 1435/1535 Driver	QCA6174A for Win10: Resolved problem about TIS test
2318997	Killer 1435/1535 Driver	Resolved the ping failure with send buffer=1400 when AP Fragment-threshold=1024

2315488	Killer 1435/1535 Driver	0x7E BSOD happened when the system was resumed from the connected standby state
2313081	Killer 1435/1535 Driver	BSOD happened when the driver versifier was enabled

- **Version 1.7.1089**

ID	Component	Description
N/A	Killer Control Center	Fixed issue being able to connect to and run bandwidth estimation.

- **Version 1.7.1080**

ID	Component	Description
N/A	Installer	Installer CustomAction would encounter exception and exit during parsing of UWD KillerNetworkComponent/KillerNetworkExtension drivers, causing those drivers to not be removed and causing subsequent installs to be incomplete.
N/A	Killer Control Center	Updated Japanese language string for 'No Killer Network Devices Connected'
N/A	Killer Control Center	Fixed Full xTend page UI detection for OS version RS4 (17134) or greater
2301504	Killer 1435/1535 Driver	Fixed blacklist issue
2301014	Killer 1435/1535 Driver	Fixed 0xD1 issue to trigger YB(1DF)
2299528	Killer 1435/1535 Driver	Fixed pldr 0x0A crash issue
2290427	Killer 1435/1535 Driver	WFA WPA2 security improvement fix (case 5.2.1)
2287872	Killer 1435/1535 Driver	Fixed the FW assert by Associate ID is zeor for WMI_PEER_ASSOC_CMDI
2286222	Killer 1435/1535 Driver	Fixed 0xD5_VRF_INVALID_Qcamain10x64!WdiTaskDisconnectHdlr
2285400	Killer 1435/1535 Driver	Fixed 9F NBL issue for PLDR on x86 platform
2266792	Killer 1435/1535 Driver	Fixed BSOD (d1) from End-User, HOST 12.0.0.709
WIFI-10712	Killer 1550 Driver	Issues with WFP Cloning and LSO
WIFI-10016	Killer 1550 Driver	Disconnect WIFI,click WIFI icon in tray,it will show "X" sometimes]

- **Version 1.7.1053**

ID	Component	Description
2280040	Killer 1435/1535 Driver	Qualcomm® drivers met the Microsoft Modern Standby ADK. □ Added enableHwRfKill.reg into driver.
2280040	Killer 1435/1535 Driver	WLAN driver shows YB in DM and red X in system tray when resumed from S4.
2273903	Killer 1435/1535 Driver	Reduce 3 db for 5 Ghz VHT and HT mode if Ukraine country is detected.
2279775	Killer 1435/1535 Driver	Enabled mechanism for Ukraine power reduction in Wi-Fi driver

2274110	Killer 1435/1535 Driver	Changed the passive/active status of CH36 - CH48 (F8_5180_5240) in FCC6 to passive.
2273369	Killer 1435/1535 Driver	Fixed 0x133 BSOD issue.
N/A	Rivet Filtering Engine	Reset g_initCompState on all driver unload paths. VM Domain issue.
N/A	Rivet Filtering Engine	Fixed Verifier stranded memory issue, createHtb was issued prior to driver init complete. Added check for this in init to insure no stranded memory.
N/A	Rivet Filtering Engine	Added code to report Initialization failures via Query Device Ioctl.
N/A	Rivet Filtering Engine	Merged remaining MS Dashboard fixes related to how flowContexts are stored and deleted.

**• Version 1.7.1034**

ID	Component	Description
1253	Killer Control Center	[xTend] UI - repeated switches between 'Hotspot' and 'Extend Current Network' can cause wait form stuck (UI hung)
N/A	Killer Control Center / xTend	Reduce likelihood that xTend UI can get hung waiting for command timeouts.
1352	Killer xTend	Attempt to set band for Killer 1550 wireless xTend
WIFI-9315	Killer 1550 Driver	Let system enter to Modern standby, roams AP, let system go out of Modern standby, can not connect AP
WIFI-7753	Killer 1550 Driver	Disconnect WIFI;click WIFI icon in tray; it will show "X" sometimes
WIFI-9910	Killer 1550 Driver	WIFI show red X when idle
WIFI-9250	Killer 1550 Driver	Disable WLAN Device in Device manager is slowly about 12 seconds
WIFI-9970	Killer 1550 Driver	[Win10 RS4]The time of shutdown/disable WLAN under optanemode is too long
2237144	Killer 1435/1535 Driver	0x1E_c0000094_VRF_Qcamain10x64!TxAllocTargetDescTxData
2211881	Killer 1435/1535 Driver	LKD_0x15E_VRF_Mini_Nbl_Leak_IMAGE_Qcamain10x64.sys

**• Version 1.7.1030**

ID	Component	Description
N/A	Installer	Adjusted the way the Killer Network Service was being stopped and removed during uninstall.
N/A	Installer	Added xTend services to be stopped and removed during uninstall.

**• Version 1.7.1023**

ID	Component	Description
1333	Rivet Filtering Engine	BSOD - DRIVER_IRQL_NOT_LESS_OR_EQUAL (d1) - RfeInsertFlowContextIntoPortTbl - system idle



1346	Rivet Filtering Engine	bugcheck from MS dashboard - AV_RfeCo10X64!rfeGetDeviceIdFromV4
1348	Rivet Filtering Engine	bugcheck from MS dashboard - AV_rfeco10x64!flow_tagProcIdForSpc
1349	Rivet Filtering Engine	All P1 traffic being shown in UI as Upload (even download traffic)

• **Version 1.7.1016**

ID	Component	Description
N/A	Killer Software	Now a UWD Software release for Windows 10 1803 or above.
N/A	Killer Software	Added Killer Wireless xTend feature for Killer 1550 equipped devices.
N/A	Killer Software	Numerous detection and compatibility enhancements.
N/A	Killer Drivers	Multiple stability enhancements.

• **Version 1.5.1859**

ID	Component	Description
Multiple	Killer 1550 Driver	Updated Killer 1550 driver. Numerous Stability and BSOD fixes.

• **Version 1.5.1852**

ID	Component	Description
N/A	Killer Control Center	Additional Accesibility/Narrator fixes.
1208	Rivet Filtering Engine	During boot on a fast system, Network service starting before RfeCo, causing traffic to not be monitored.

• **Version 1.5.1847**

ID	Component	Description
1215	Installer	Additional upgrade fixes – Upgrade from Killer Network Manager installations supported, upgrade block fixed from certain unsupported scenarios
1216	Killer Network Service	1525/1435/1535 WiFi adapters show 2.4Ghz on Settings page even when connected to 5Ghz network
N/A	1435/1535 Driver	Updated to address a few edge case BSOD crashes.
N/A	1550 Driver	Adjusted settings on Killer 1550 installations.

• **Version 1.5.1822**

ID	Component	Description
1215	Installer	Fixed upgrade scenarios from Killer Control Center based installations.

- **Version 1.5.1805**

ID	Component	Description
1206	Killer Network Service	Hotfix: Fixed issue with device discovery for some Killer Wireless devices.

- **Version 1.5.1804**

ID	Component	Description
1206	Killer Control Center	Killer Control Center does not open when clicking KillerControlCenter.exe from Program Files Folder
1200	Killer Control Center	Show Inactive Applications toggle cuts up into the scroll bar
1196	Killer Control Center	[Wifi Analyzer] Chinese characters in SSID don't appear correctly.
1195	Killer Control Center	[Category view] Category stays colored for adapter even after no processes running in that category.
1194	Killer Control Center	Accessibility issues - Screen Reader
1193	Killer Control Center	Accessibility issues - Navigation
1192	Killer Control Center	Accessibility issues with app
1187	Installer	Install fails when run from network drive
1186	Rivet Filtering Engine	Star Wars Battlefront 2 can't connect to servers when DoubleShot is enabled.
1185	Rivet Filtering Engine	DoubleShot not forcing Skype traffic over appropriate adapter.
1182	Rivet Filtering Engine	Customer Site VPN - can't connect to L2TP/IPsec VPN with Advanced Stream Detect enabled
WIFIWIN-4839	Killer 1550	WiFi acts abnormally
WIFIWIN-4181	Killer 1550	[9260/WIN10 RS3] WLAN icon show LAN red "x" after installing WLAN driver successfully
WIFI-5142	Killer 1550	9260 WiFi red X during reboot test
1106788	Killer 1435/1535	Bug Check 1D8 Qcamain10x64!ath_pcie_bug_check+0x492

- **Version 1.5.1784**

ID	Component	Description
	All Components	Added support and drivers for Killer 1550.

- **Version 1.5.1757**

ID	Component	Description
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	Rivet Filtering Engine	Optimized Advanced Stream Detect when a large number of connections are trying to compete for bandwidth.
	Killer Network Service	Optimized Advanced Stream Detect rules.

- **Version 1.5.1618**

ID	Component	Description
	Rivet Filtering Engine	Fixed issue that would cause L2TP/IPsec VPN's to fail to connect when Advanced Stream Detect function was turned on.
	Killer Network Service	Fixed issue where COM initialization would fail on some systems during startup, causing the service to fail startup.

- **Version 1.5.1608**

ID	Component	Description
	Rivet Filtering Engine	Reworked to not use DPC Interrupts, which would cause high DPC execution time on higher bandwidth links with high utilization.
	Ethernet Driver	RS2+RS3 WHQL driver
	11AC WiFi	RS2+RS3 WHQL driver
2127262	11AC WiFi	KRACK - Mac core changes for WPA GTK Key Reinstallation (firmware) on Rom
2136107	11AC WiFi – K1525	KRACK - Disable WoW
2133091	11AC WiFi – K1525	Cannot see Wi-Fi AP's with latest host (12.0.0.438)
2136192	11AC WiFi	System Crash - Bugcheckid:0x1D2
2133092	11AC WiFi	Add function in adminservice to enable BT which is disabled.
2132273	11AC WiFi	adminservice checks YB 3 times before resetting Bluetooth
2128667	11AC WiFi	Ping AP fails after system wake up from Modem Standby
2123732	11AC WiFi	Country EG,TN,UZ,IL,KW,MA TX power from CH36~CH64 is 20 db that do not match expected the TX power 23db in the latest version24 regulatory table.(always)
2121622	11AC WiFi	WLAN card is lost when running S3 stress testing with AC adaptor plugged.
2094888	11AC WiFi	The Wi-Fi cannot be used when system resumes from S3 (AMD Summit Ridge)

- **Version 1.4.1503**

ID	Component	Description
	11AC Driver	Reverted to previous 11AC WHQL driver due to incompatibility with Killer 1525

		modules.
	Rivet Filtering Engine	Fixed additional issue that could cause a BAD_POOL_CALLER (d1) crash to occur

• **Version 1.4.1494**

Component	Description
Killer Control Center	Fixed issue where multiple subsequent changes to xTend settings could cause the Killer Control Center to stop responding.

• **Version 1.4.1492**

Component	Description
Killer Control Center	Improved speedtest tool to account for server-side changes.
11AC WiFi	Updated to latest WHQL driver
Ethernet	Win10: Fixed issue with UDP packets that would cause Shrewsoft VPN to not work.

• **Version 1.4.1474**

Component	Description
Killer Control Center	Improved messaging for when Killer Service is not present when Killer Control Center is Launched.
Killer Control Center	Fixed memory leak when Launching KCC from minimized state when Killer Service is not present/running.
Bandwidth Estimator	Improved detection of bad test servers.
Killer Control Center	HotFix for 1.4.1472 not properly updating statistics/App data.

• **Version 1.4.1466**

ID	Component	Description
1118	Killer Doubleshot Pro	Pro Evolution Soccer 2017 fails to connect to online server when Doubleshot is enabled.
1111	Killer Doubleshot Pro	Additional fixes for Issue with NiceHashMiner.exe and certain IPv6 websites when on an IPv6 network and Doubleshot is enabled.
	Killer Control Center	Improved keyboard accessibility. Enabled correct tabbing of all UI elements.
	Killer Control Center	Cleaned up Killer Control Center UI in a few places.
	Rivet Filtering Engine	Microsoft fix for ESet Coexist problems