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|   VisuNet RM Shell 5.7.0.1429
|   18-34435A
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|
|   Pepperl+Fuchs SE
|   Innovation Unit HMI
|   26. Oct. 2023
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Important Notice: RM Shell Version 5.6. and newer requires a  
VisuNet RM Shell installation based  
on Windows 10 IoT Enterprise LTSC 2019.

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Release: 18-34435A
Version: 5.7.0.1429
Date: 26-Oct-2023
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Improved:

- #FR-3329: Added RM Shell 6 default Certificate for Desktop Sharing
- #FR-3335: Added Support for Orion Touchscreens based on EXC81 and EXC84.
- #FR-3336: Updated to Emerson DRDC 4.3.1
- #FR-3337: Updated to Chromium 116.0
- #FR-3338: Dialog Filter can now be disabled
- #3345: Updated Microsoft Visual C++ Redistributable to 14.36.32532.0

Bug fixes:

- #3334: Fixed black screen when device is rebooted using VisuNet CC with enabled write filter
- #3350: Disabled Language Components Installer Tasks in Scheduler which can cause high disk usage
- #3349: Fixed issue that disabling the Dialog Filter causes a black boxes on scanned window names

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Release: 18-34435
Version: 5.6.0.1383
Date: 20-Oct-2021
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New Features:

- #FR-1655: Added support for the Pad-Ex 01 device.
- #DSD-1664: Added new floating Quick Menu with status icons for devices with WiFi and battery.
- #DSD-1665: Added WiFi and battery status icons to Task Switcher.
- #DSD-1702: RM Shell wallpaper and logo can be customized (PRO license only).
- #DSD-1701: Added "Auto logout" for Administrator and Engineer.
- #DSD-1704: Added support of RDP virtual channel add-ins (PRO license only).

Improved:

- #DSD-1699: Added UI support for the "Trusted Host Setup" (DRDC license only).
- #DSD-1713: Added UI support for enabling Windows Hyper-V tools (DRDC license only).
- #DSD-1729: Added detailed "Update description" to the Update dialog.
- #DSD-1733: Improved stability and 24/7 operation:
  - Lowered the thresholds of the Write Filter warning to 800MB and critical to 900MB.
  - Device will reboot automatically when virtual memory is running out of memory and before system will get instable.
  - Prominent and critical warning is shown, when Write Filter warning threshold is reached.
  - Automatic Windows Checkdisk functionality is enabled when the disk is unprotected (Write Filter is disabled).

Bug fixes:

- #3123: Renamed "Professional License" to "PRO License" to be consistent to the manual.
- #3148: Fixed Connection Bar so that the tab position is saved even when the connection was closed by Alt+F4.

- #3152: Fixed RDP profile editor so that can settings can only be edited when the disk is unprotected (Write Filter disabled).
- #3097: Fixed that RM Shell does not restart when a fatal error occurred which was caught by CurrentDomain.UnexpectedException.
- #3166: Fixed Lost Pings view and percentages from 0% to 100% are now displayed.

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Release: 18-33556N  
Version: 5.5.1.1200  
Date: 20-AUG-2021  
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Improved:

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- #FR-1696: Updated Emerson DRDC to 3.3.3.
- #FR-1721: Updated Chromium (CefSharp) to 91.1.230.0.
- #3030: Secure Tunnel now supports TLS protocol TLS1.1 and newer.

Bug fixes:

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- #1892: Fixed that running program windows in the Operator View are not closed when they are removed from the Dialog Filter whitelist.
- #1926: Fixed that only one Log file could be opened in the System Tools.
- #2957: Fixed Previs PIN field so that it does not accept space input anymore.
- #2958: Fixed Previs so that it does block user input after a device reboot.
- #3020: Fixed RM Shell network tab view so that Windows internal Network Adapters are hidden.
- #3049: Fixed black screen when trying to perform a reboot or shutdown with enabled Write Filter.
- #3059: Fixed missing DRDC services after an update from RM Shell 5.0.3.
- #3060: Updated Log4Net to 2.0.12 (NVD - CVE-2018-1285 (nist.gov)).
- #3066: Updated VisuNet GXP\_SC\_Service to 1.4.1.346.
- #3071: Fixed warning that Ngen couldn't find IWshRuntimeLibrary.

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Release: 18-33556M  
Version: 5.5.0.1166  
Date: 14-DEC-2020  
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New Features:

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- #FR-1462: Wedge App, System Tools App and IP Address in About Tile can now be hidden from Operator.
- #FR-1491: Added Disk Cleanup Service.
- #2669: Quad monitor setup with square 2x2 layout can be aligned automatically.
- #2883: Updated DRDC to version 3.3.1.1125 (DeltaV 3.3.3).

Improved:

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- #2360: Windows Virtual Memory (Pagefile) is enabled again after Write Filter was disabled.
- #2562: Renamed "USB pen drive" to "USB Flash Drive" in Update view.
- #2637: Renamed "Brightness Button" to "Brightness Buttons" in GXP Frontkey Settings view.
- #2843: Factory Reset password is not required to be changed in First Start Wizard when it was changed before.
- #2936: RM Shell Updates now support additional setup information and description.
- #2946: Floating OSK Button is now started directly after it is enabled and does not require a reboot anymore.
- #2948: Obsolete update files will be deleted when not used anymore.
- #2962: Manually deleted files will be deleted directly without using the Windows Recycle Bin (Group Policy Setting).
- #2964: Temporary update files will be deleted when prerequisites are not met or when the update fails.
- #2965: Updates cannot be (accidentally) deleted anymore from external USB Flash Drives or network folders using the RM Shell Update View.
- #2980: Floating OSK Button may not be visible on displays with Scale setting > 100%.

Bug fixes:

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- #2537: Profiles will not start anymore in Engineer or Administrator role when uploaded by VisuNet CC.
- #2994: On-Screen-Keyboard caused a crash of the RM Shell after Windows 10 Security Update 11-2020(18-33624K) was installed.

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Release: 18-33556L  
Version: 5.4.1.1032  
Date: 16-SEP-2020  
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Improved:

- #2859: Add Support for calibrating touch sensitivity for new eGalax touch controller (Orion series)
- #2860: Add Support for the mouse mode of new eGalax touch controller (Orion series)
- #2865: Keyboard Layout now visible inside OOBE screen

Bug fixes:

- #2862: Multi-Monitor Setup with different DPI settings caused a missing button inside the connection tab.
- #2874: Set Region button inside the OOBE screen opened wrong Windows Settings Page.

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Release: 18-33556K  
Version: 5.4.0.986  
Date: 03-AUG-2020  
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New Features:

- #2783: Added Support for Windows 10 LTSC 2019

Improved:

- #2788: Shell startup and loading operation screen improved
- #2693: Updated GXP SC Service to Version 1.4.0.304 with improved startup and reset behavior
- #2833: Sequential loading of the home screen functions to increase the stability and performance

Bug fixes:

- #2785: In case of no available Factory Reset on a device, data could not be downloaded via VisuNet CC.
- #2796: Disabling Cursor Blink caused a very fast blinking cursor.
- #2804: Adaption of .Net version in About screen.
- #2834: The Windows User Autologin for devices, that were cloned was fixed.
- #2832: RDP sometimes showed an error message after the connection was closed.
- #2827: DRDC info was shown in About even if there was no DRDC license available.
- #2826: Devices with Bluetooth or WiFi modules, that are using the capture or apply mechanism with VisuNet Control Center are supported now.

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Release: 18-33556J  
Version: 5.3.0.928  
Date: 15-MAY-2020  
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New Features:

- Support for Factory Reset 6.0.
- #FR-1232: Factory Reset password options: You can change the Factory Reset password inside the System Settings/Security Tab. Additionally, you can change the Factory Reset password inside the First Start Wizard.

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Release: 18-33556H  
Version: 5.2.0.910  
Date: 20-MAR-2020  
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Bug fixes:

- #2663: Device is not shutting down in First start Menu and OOBE
- #2668: Maintenance Mode overlay may not be closed due to late watchog initialization

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Release: 18-33556G  
Version: 5.2.0.900  
Date: 19-FEB-2020  
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New Features:

- #FR-878: Added a login prompt (PIN) for Previs
- #FR-1166: Added support for the new Raritan KVM IV
- #FR-1182: Improved the installation process for Raritan KVM adapters
- #FR-1312: Added PenTouch support

Improved:

- #2546: First start wizard asks user for restart when computer name was changed
- #2567: GXP: Show I2C Warnings in the About screen

#2570: Updated DRDC to 3.3.2  
#2571: Updated CefSharp to 75.1.143.0

Bug fixes:

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#2581: Fixed Certificate settings in Group Policy

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Release: 18-33556F  
Version: 5.1.1.802  
Date: 24-SEP-2019  
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Bug fixes:

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#2550: Fixed crash of the Shell after reboot when only DRDC license entered.

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Release: 18-33556E  
Version: 5.1.0.787  
Date: 13-SEP-2019  
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New Features:

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#FR-550: Added Secure SSL Connection for Session Shadowing/Desktop Sharing  
#FR-554: Added OOBE Setup Wizard  
#FR-1035: Re-align / refresh monitor orientation after incidental monitor turn off/on  
#2441: Desktop Sharing Server is now usable without Pro or CC License.

Improved:

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#1870: Improved setting up display resolution.  
#2135: Provide RM Image and Factory Reset information to VisuNet Control Center.  
#2163: RDP client runs in a separate process to improve stability and performance.  
#2179: Updated to CefSharp (Chromium) 71.0  
#2196: Updated to S-Code VNC Viewer 3.8.3  
#2197: Update to TightVNC Server 2.8.11.  
#2223: Improved RDP monitor alignment after a monitor is reconnected.  
#2244: GXP/IXD Touch: Show only two sensitivity modes.  
#2248: Improved version handling for connection profiles using VisuNet Control Center.  
#2276: "Taskmanager" is now "Task Switcher".  
#2298: Improved validation of IP addresses.  
#2310: Closing a profile within the Profile Management does not require two clicks anymore.  
#2346: Cleaned the user interface of the profile setting pages.  
#2352: Removed disconnect messages for user initiated disconnects.  
#2353: Added timestamp to notifications.  
#2354: Renamed "GXP Touch" to "eGalaxTouch", because it is used in different devices.  
#2355: Improved notifications and only show new ones.  
#2358: Improved 4k support with various DPI settings.  
#2389: Improved restart mechanism after a crash of the Shell.  
#2391: Removed security critical functions from service menu.  
#2392: Added progressive delay to enter the service menu when login failed.  
#2421: Improved error Messages for Raritan KVM.  
#2429: Renamed "Pepperl+Fuchs GmbH" to "Pepperl+Fuchs AG"  
#2456: Removed the host file editor.  
#2457: Improved setting static IP addresses on disconnected network adapters.  
#2461: Added information page when chromium couldn't load a webpage.  
#2468: Added audio redirection settings for RDP connections. RDP audio redirection is disabled by default now.  
#2470: Disabled audio redirection by default in DRDC profiles.  
#2499: Updated Group Policies and added parts of the Microsoft Security Baseline (Update).

Bug fixes:

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#2173: Fixed certificate import with private password using VisuNet Control Center.  
#2232: Fixed network connection interruption when settings uploaded using VisuNet Control Center.  
#2270: Fixed losing profile settings (auto reconnect, connection backup and retry settings) when the device was configured using VisuNet Control Center.  
#2273: Fixed Shell freeze when Task Switcher was opened while starting an RDP profile.  
#2279: Fixed losing Shell configuration after restart when configured using VisuNet Control Center.  
#2293: Fixed continuously running ping of DRDC server even if connection was closed.  
#2302: Fixed losing Generic App Icons after uploading device settings with VisuNet Control Center.  
#2315: Fixed resizing issue at desktop sharing profile when profile is reopened from Shell.  
#2320: Fixed possible crash when VNC client was closed when authentication window is visible.  
#2332: The Raritan KVM Remote Console window was not closed.

#2345: Fixed missing connection bar setting for Raritan KVM profile.  
#2367: Fixed possible Shell crash when display scale > 150% and using VisuNet Control Center.  
#2384: Fixed loosing DRDC Tcp redundancy settings after a RM Shell update.  
#2472: RM Shell now sends correct certificate store names to VisuNet Control Center.

Known Issues:

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#1754: DRDC: SSL Certificate - Controls backdoor security issue  
#2422: VNC: No error message when VNC connection closed by server disconnection  
#2423: After removing the main display and reconnect it the connection bar has the wrong size  
#2448: RDP: Windows Position after open System Settings (mixed monitor setup)  
#2459: IE: Window not maximized again when one monitor was disconnected/connected  
#2460: Chrome: Window not maximized again when one monitor was disconnected/connected  
#2481: Update: Portable USB Drive (SSD) does not work for Update

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Release: 18-33556D  
Version: 5.0.3.597  
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Bug fixes:

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#2212: Update DRDC to 3.3.1  
#2221: The Shell crashes if you want to call the Taskmanager while connecting to an RDP profile.

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Release: 18-33556C  
Version: 5.0.2.575  
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Improved:

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#2136: Updated DRDC to 3.3.0.20 (Hotfix 3)  
#2139: DRDC connect and reconnect mechanism improved. Asynchronous pattern used.  
#2119: Windows Service management from Shell improved

Bug fixes:

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#2158: DRDC could crash when Auto-Reconnect is enabled, but server is not reachable (GDI handles leak)  
#2115: Input Language was not updated in OOBE dialog  
#2181: Removed incorrect sensitivity mode for IXD 19" and GXP 19" touch screen  
#2110: Shell could crash if custom App path is invalid and Autostart is enabled.  
#2159: KMSwitch: Mouse cursor not visible on slave system on GXP systems or when no pointing device connected

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Release: 18-33556B  
Version: 5.0.1.441  
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Added:

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#1897: GXP - Mouse emulation mode for the touch screen  
#2014: GXP and IXD " Keypad lock mechanism to prevent false button activation  
#2057: GXP - User can disable brightness buttons  
#2066: Desktop sharing password can be reset now

Improved:

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#2006: Made the RM Shell icon in the Taskswitcher less prominent and added keyboard shortcuts  
#2056: Updated Service Controller Service to 1.2.0.154  
#2058: VNC will redirect CTRL+ALT+DEL to CTRL+ALT+END for the host system  
#2059: Serial number is now write protected when a number has been added in production  
#2060: System Settings are refreshed when License key was entered  
#2061: Updated S2KWedge to Version 5.0.2.538  
#2069: Update Wrapper now shows free disk space, ram and cpu usage  
#2087: Title in Taskswitcher is now multiline  
#2093: Updated Update Wrapper to 5.0.0.441

Bug fixes:

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#1920: GXP - Clean Lock does not ignore touch input  
#1938: Scheduler ignored system time format

#1947: Updated EULA and 3rd party licenses  
#1995: Device not found using CC when Ethernet connected after the device was started  
#2004: RM Shell could be started multiple times  
#2018: Connection retry not working when first connection attempt failed  
#2043: Engineer can now calibrate ELO Touch screens  
#2044: Identify Display doesn't work when display scaling was > 100%  
#2050: Scroll function on Keyboard is activated when Shell Hotkey Alt+Ctrl+Scroll was pressed  
#2051: Taskswitcher Previews drawn on the wrong position when display scaling > 100%  
#2052: VisuNetCC Service could fail when network connection is instable  
#2063: Engineer could change the Dialog Filter (disabled now)  
#2075: OSK Overlay icon hides input text  
#2081: Ctrl+Alt+Tab not working for Administrator  
#2085: Dialog Filter settings editable even when write filter active  
#2090: Write Filter was set to RAM - is now DISK  
#2091: Remote and Advanced Windows Settings and Explorer context menu not accessible

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Release: 18-33556A  
Version: 5.0.0.361  
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Bug fixes:

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#1949: ELO Touch compatibility with RM Shell 5

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Release: 18-33556  
Version: 5.0.0.341  
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New Features:

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#FR-541: Added Active Directory support  
#FR-552: New License keys (Pro, CC, DRDC)  
#FR-562: Windows 10 IoT 2016 LTSB Enterprise x64  
#FR-564: Update to .Net 4.7  
#FR-587: Update to Internet Explorer 11  
#FR-591: Improve Shell Update mechanism  
#FR-593: Update to DevExpress 17.x  
#FR-690: Improve Update upload  
#FR-720: Improve Dialog Filter (as replacement for Keyboard Filter)  
#FR-723: MBR Filter  
#FR-724: Unified Write Filter (UWF)  
#FR-725: Write Filter UI integration  
#FR-727: Improve service access code  
#FR-734: Remove Volume Mixer  
#FR-735: Remove Citrix from Shell 5  
#FR-733: Generic App Management  
#FR-793: Scheduler for 24/7 operation  
#FR-794: Automatic restart when write filter memory is critical  
#FR-795: Windows Explorer Access  
#1854: Update to DRDC 3.3.0.4  
#1855: GXP: Allow disabling Brightness buttons  
#1780: Netc@p is now a feature in the standard setup

Bug fixes:

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#1824: RDP: When RDP connection is idle for a given period the connection is closed  
#1729: DRDC: Liveness check fixed

Known Issue:

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#1759: TabTip: OSK can overlay the textedit  
#1939: EULA: License references to Windows 7 Standard  
#1870: System Settings: Display - Cannot change resolution to 1080P  
#1892: Dialog Filter: Window Service do not refresh whitelist status of open Windows.  
#1894: System Settings: Open Profile overlays Explorer  
#1920: System Tools: Clean Lock do not block GXP Touchscreen  
#1938: Scheduler: Time format is always 24h => use system time format  
#1841: Closing a DRDC connection cannot be canceled by the user  
#1840: DRDC shows two credential dialogs when no user and password credentials are stored  
#1891: RDP freezes when credentials dialog is clicked with touchscreen