PRODUCT
CHANGE
NOTICE

ME1310
(Software Update Package)

PCN no.: 2633

Revision	Brief Description of Changes	Date of Issue
1.0	Initial issue	2026-10-07

1. Description of the change

This PCN includes firmware modifications contributing to the fix of multiple issues and added improvements for the BMC.

Please refer to the following table for the list of updated components:

Product	Component	Fig	Grape
ME1310	BIOS	1.12.0999ABB8	1.16.09A82461
	BMC	1.12.01A22490	1.13.01A884CB
	FPGA	1.2.08008632	(SAME)
	NOS*	4.0	(SAME)

*The NOS version is independent from this software package, but Kontron strongly suggest using the latest available version.

2. Change Classification

Classification	•	Maintenance release, Product improvement
Applicability	•	This package is field-upgradable ; please download the bundle from the FIRMWARE section of the ME1310 page of Kontron's corporate website: **Here**

3. Impact on customer's application and recommended actions

For all ME1310 units deployed with older FWs, it is recommended to apply this FW upgrade as soon as is practical.

Please refer to the firmware upgrade procedure found below for a step-by-step upgrade process.

4. Firmware upgrade procedure

The following procedures will upgrade the BMC/FPGA/BIOS

4.1. Upgrading BMC and FPGA

The BMC and FPGA firmware can be upgraded using Redfish or the Web UI.

NOTE: For the upgrade to work, the upgrade image version must be different from the one running on the BMC. In other words, upgrading with the same version is not supported

4.1.1. Upgrading the firmware of the BMC using Redfish

Prerequisites

1	The .tar file provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Redfish interface is required.

Procedure

Step_1	From the BMC Redfish interface, verify the current firmware version of the BMC firmware.
	
	RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Managers/bmc | jq .FirmwareVersion**
	
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/Managers/bmc | jq .FirmwareVersion`
	`"2.00.0159fce6"`

Step_2	Collect the list of IDs of all the firmware present on the platform.
	
	RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/UpdateService/FirmwareInventory | jq .Members**
	
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService/FirmwareInventory | jq .Members`
	`[`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/8c50fd55"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/c172d3d8"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/d6bcd2a6"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/ebbd5d7b"`
	`  }`
	`]`

Step_3	Verify that the new firmware is not already on the platform. Repeat the following command for every firmware discovered in the previous step.
	
	The **Description** field describes the component targeted by this firmware.
	
	The **Version** field describes the firmware version of this component.
	
	RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/UpdateService/FirmwareInventory/[FIRMWARE_ID] | jq ".Description,.Version"**
	
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService/FirmwareInventory/c172d3d8| jq ".Description,.Version"`
	`"BMC image"`
	`"2.07.0162fd0d"`

Step_4	Set the apply time to **Immediate**. RemoteComputer_OSPrompt:~$ **curl -k -s --request PATCH --url [ROOT_URL]/redfish/v1/UpdateService --header 'Content-Type: application/json' --data '{"HttpPushUriOptions": {"HttpPushUriApplyTime": {"ApplyTime": "Immediate"}}}' | jq** `$ curl -k -s --request PATCH --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService --header 'Content-Type: application/json' --data '{"HttpPushUriOptions": {"HttpPushUriApplyTime": {"ApplyTime": "Immediate"}}}' | jq`
Step_5	Upload the firmware by executing the following command. The BMC should return a TaskService **Id**. RemoteComputer_OSPrompt:~$ **curl -k -s --request POST --url [ROOT_URL]/redfish/v1/UpdateService --header 'Content-Type: application/octet-stream' --upload-file '[FILE_PATH]' | jq**

	`$ curl -k -s --request POST --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService --header 'Content-Type: application/octet-stream' --upload-file 'update.tar' | jq`
	`{`
	`"@odata.id": "/redfish/v1/TaskService/Tasks/1",`
	`"@odata.type": "#Task.v1_4_3.Task",`
	`"Id": "1",`
	`"TaskState": "Running",`
	`"TaskStatus": "OK"`
	`}`

Step_6	Using the **Id** returned by the previous step, ensure that the task is completed. The **PercentComplete** value should be 100 before proceeding with the next steps. It may take several seconds. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/TaskService/Tasks/[TASK_ID] | jq .PercentComplete**

	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/TaskService/Tasks/1 | jq .PercentComplete`
	`[`
	`100`
	`]`

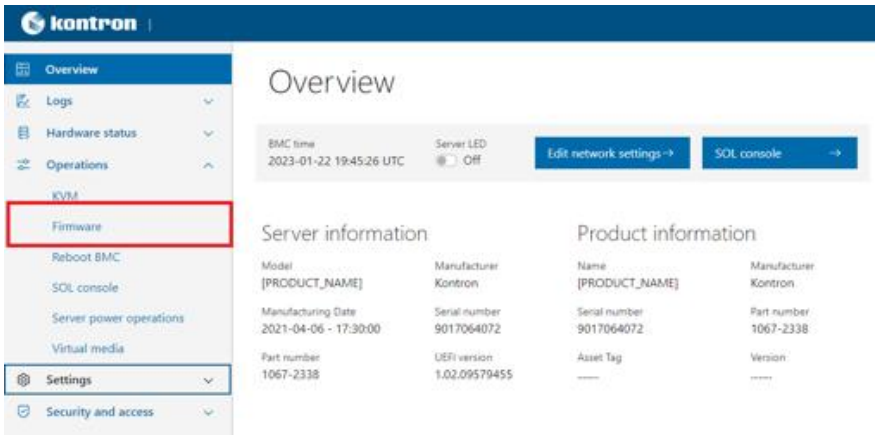
Step_7	Once the BMC becomes available again, verify that the firmware version has changed. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Managers/bmc | jq .FirmwareVersion**
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/Managers/bmc | jq .FirmwareVersion` `"2.00.015afd1b"`

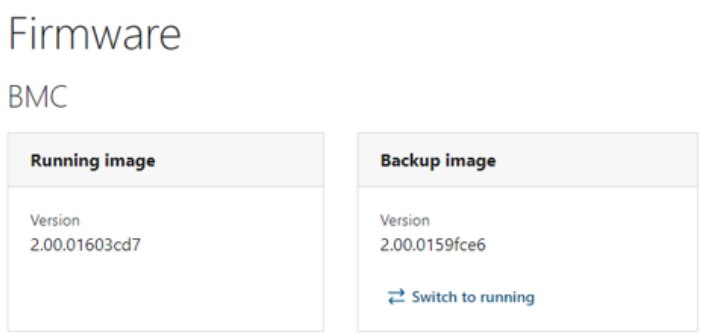
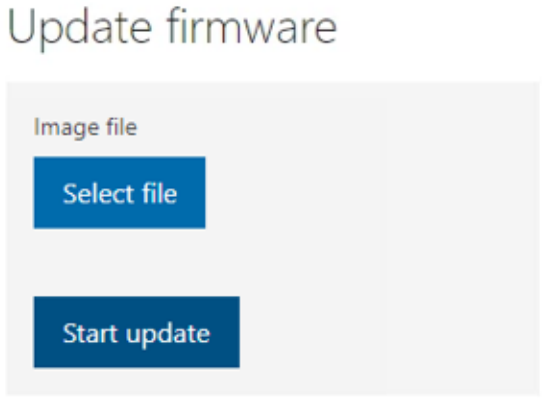
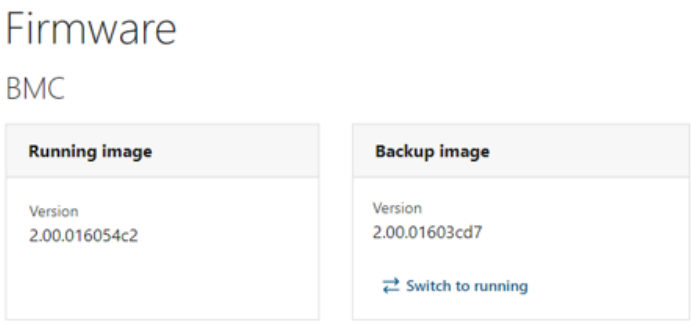
4.1.2. Upgrading the firmware of the BMC using the Web UI

Prerequisites

1	The .tar file provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Web UI is required.

Procedure

Step_1	From the left-side menu of the BMC Web UI, click on **Operations** and then on **Firmware**.	

Step_2	Verify the current firmware version. Make sure that the new firmware is more recent.	
Step_3	From the **Update firmware** section, choose a **.tar** file to upload for the BMC by clicking on **Select file**.	
Step_4	Click on **Start update**.	
Step_5	When the file has successfully been uploaded, a success message should appear in the top right corner.	
Step_6	Wait for the BMC to update. The page should refresh automatically upon successful update.	
Step_7	Once the BMC becomes available again, verify that the firmware version has changed.	

4.2. Upgrading the firmware of the FPGA using Redfish

Prerequisites

1	The .tar file provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Redfish interface is required.

Procedure

Step_1	From the BMC Redfish interface, verify the current FPGA firmware version. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Systems/system | jq .FpgaVersion**
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/Systems/System | jq .FpgaVersion` `"1.00.0159fce6"`
Step_2	Collect all the IDs of the firmware present on the platform. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/UpdateService/FirmwareInventory | jq .Members**

	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService/FirmwareInventory | jq .Members`
	`[`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/8c50fd55"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/c172d3d8"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/d6bcd2a6"`
	`  },`
	`  {`
	`  "@odata.id": "/redfish/v1/UpdateService/FirmwareInventory/ebbd5d7b"`
	`  }`
	`]`

Step_3	Verify that the new firmware is not already on the platform. Repeat the following command for every firmware discovered in the previous step. The **Description** field describes the component targeted by this firmware. The **Version** field describes the firmware version of this component. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/UpdateService/FirmwareInventory/[FIRMWARE_ID] | jq ".Description,.Version"**

	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService/FirmwareInventory/c172d3d8| jq ".Description,.Version"`
	`"BMC image"`
	`"2.07.0162fd0d"`

Step_4	Set the apply time to **Immediate**. RemoteComputer_OSPrompt:~$ **curl -k -s --request PATCH --url [ROOT_URL]/redfish/v1/UpdateService --header 'Content-Type: application/json' --data '{"HttpPushUriOptions": {"HttpPushUriApplyTime": {"ApplyTime": "Immediate"}}}' | jq**
	`$ curl -k -s --request PATCH --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService --header 'Content-Type: application/json' --data '{"HttpPushUriOptions": {"HttpPushUriApplyTime": {"ApplyTime": "Immediate"}}}' | jq`

Step_5	Upload the firmware by executing the following command. The BMC will shut down temporarily. RemoteComputer_OSPrompt:~$ **curl -k -s --request POST --url [ROOT_URL]/redfish/v1/UpdateService --header 'Content-Type: application/octet-stream' --upload-file '[FILE_PATH]' | jq**

	`$ curl -k -s --request POST --url https://admin:ready2go@172.16.182.31/redfish/v1/UpdateService --header 'Content-Type: application/octet-stream' --upload-file 'update.tar' | jq`
	`{`
	`"@odata.id": "/redfish/v1/TaskService/Tasks/1",`
	`"@odata.type": "#Task.v1_4_3.Task",`
	`"Id": "1",`
	`"TaskState": "Running",`
	`"TaskStatus": "OK"`
	`}`

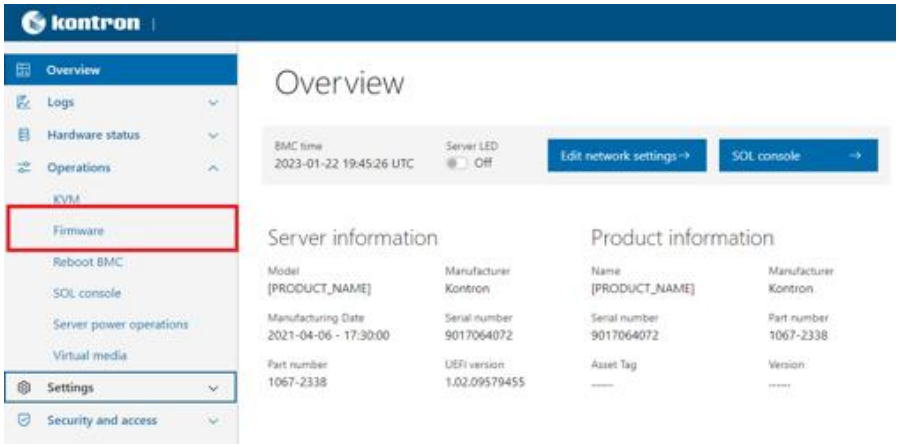
Step_6	Once the BMC becomes available again, verify that the firmware version has changed. RemoteComputer_OSPrompt:~$ **curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Systems/system | jq .FpgaVersion**
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.182.31/redfish/v1/Systems/System | jq .FpgaVersion` `"1.00.0159fce6"`

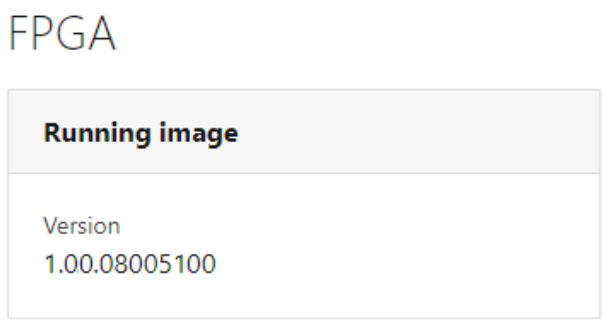
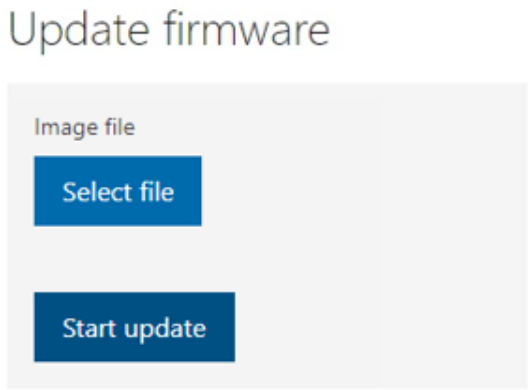
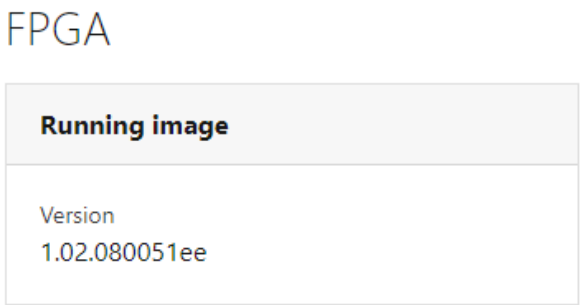
4.2.1. Upgrading the firmware of the FPGA using the Web UI

Prerequisites

1	The .tar file provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Web UI is required.

Procedure

Step_1	From the left-side menu of the BMC Web UI, click on **Operations** and then on **Firmware**.	

Step_2	Verify the current firmware version. Make sure that the new firmware is more recent.	
Step_3	From the **Update firmware** section, choose a **.tar** file to upload for the FPGA by clicking on **Select file**.	
Step_4	Click on **Start update**.	
Step_5	When the file has successfully been uploaded, a success message should appear in the top right corner.	
Step_6	Wait for the FPGA to update. The page should refresh automatically upon successful update.	
Step_7	Once the FPGA becomes available again, verify that the firmware version has changed.	

4.3 Upgrading EUFI/BIOS

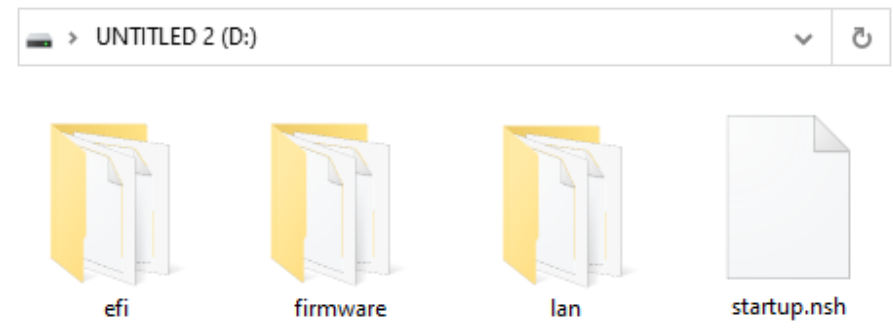
The UEFI/BIOS firmware can be upgraded using the built-in UEFI shell and a USB storage device, the built-in UEFI shell and a UEFI-compatible operating system, the server operating system, the Web UI or Redfish

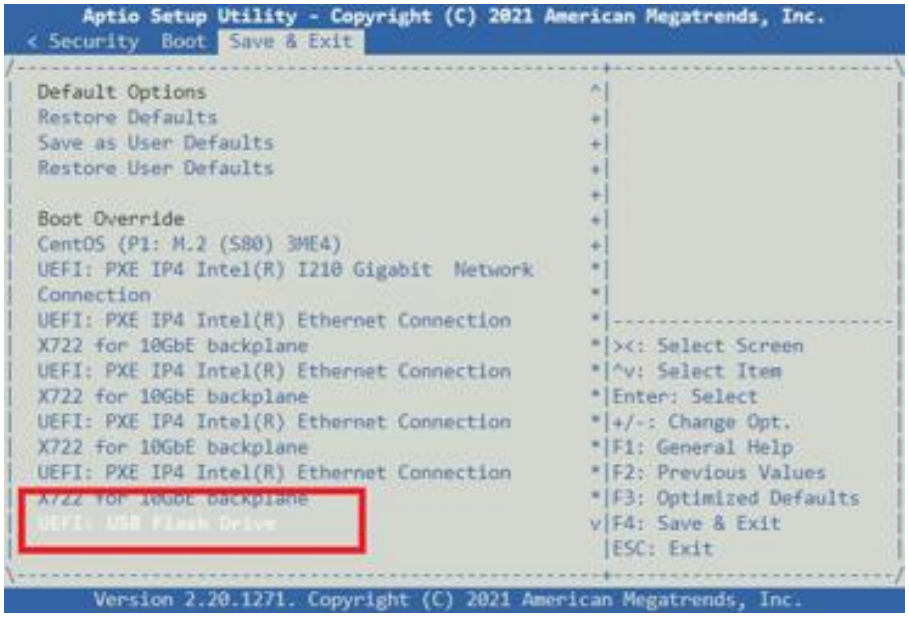
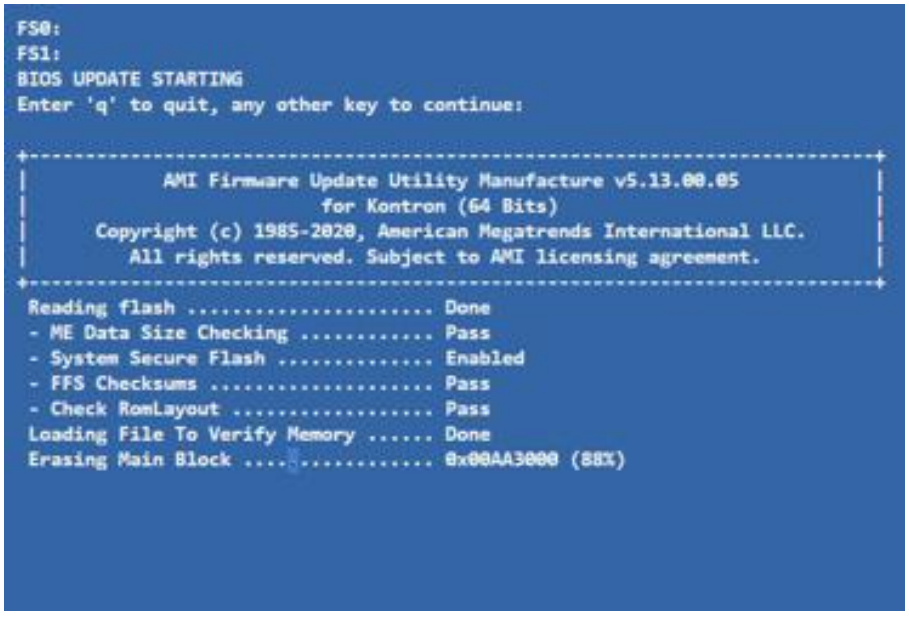
4.3.1 Using the built-in UEFI shell and a USB storage device

Prerequisites

1	The **.zip** archive provided by Kontron has been downloaded.
2	Access to the UEFI/BIOS menu is required.
3	The USB storage device was formatted using **fat32**.

Procedure

Step_1	From another computer, extract the archive content provided by Kontron to a USB storage device. The **startup.nsh** file should be located directly in the root folder of the USB storage device. **NOTE:** Some of the archive content can change depending on the upgrade version.	
Step_2	Insert the USB storage device in one of the USB ports of the front panel.	
Step_3	Power on the platform or reboot the integrated server. Access the UEFI/BIOS setup menu.	

Step_4	Navigate to the **Save & Exit** menu and then to the **Boot Override** section. Select the option that represents the USB storage device and press **Enter**. The built-in EFI Shell should launch.	
Step_5	Press any key other than **'q'** to continue. The UEFI/BIOS upgrade should start.	
Step_6	Once completed, the BMC and the platform will automatically reboot. It may take several seconds to complete the power cycle and the remote connection might be lost.	

4.3.2 Using the built-in UEFI shell and a UEFI-compatible operating system

Prerequisites

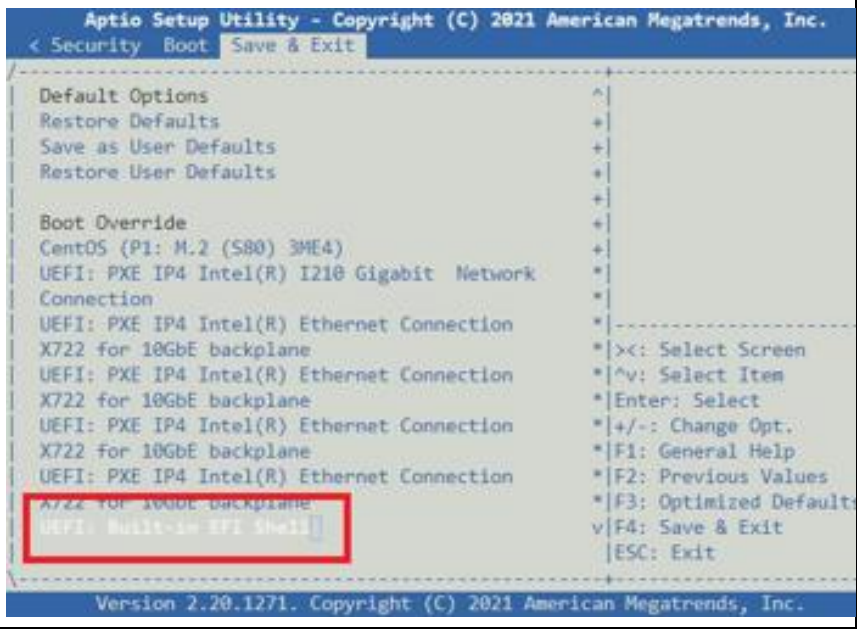
1	The **.zip** archive provided by Kontron has been downloaded.
2	Access to the UEFI/BIOS menu is required.

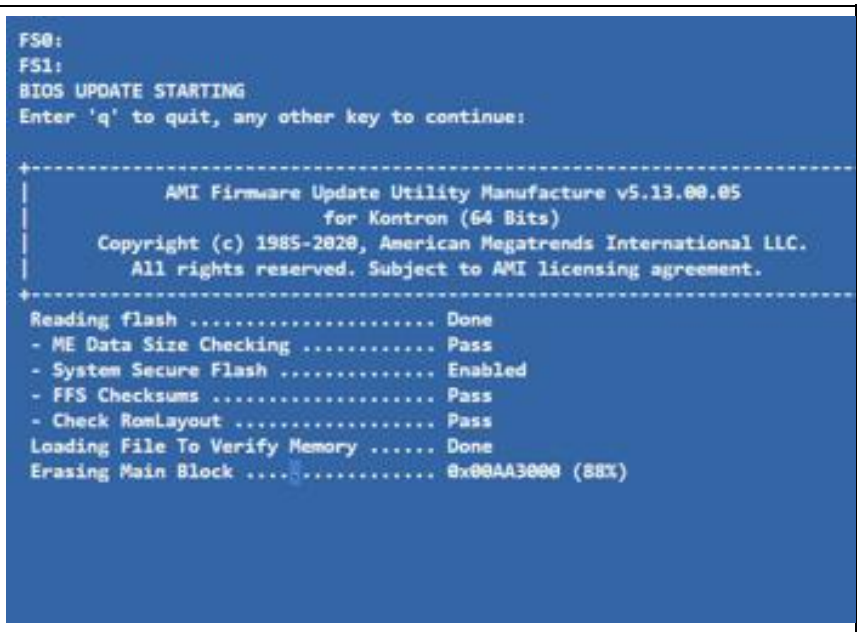
3	A Linux UEFI-compatible operating system is installed on the platform.
4	Access to the OS is required.

Procedure

Step_1	Power on the platform or reboot the integrated server. Access the operating system.	
Step_2	Once the archive is downloaded to the platform, extract the archive content provided by Kontron on the Linux OS installed on the platform.	
Step_3	Copy the content of the archive to the **/boot/efi** directory. LocalServer_OSPrompt:~# **cp -a [PATH_TO_ARCHIVE]/. /boot/efi/**	`[root@localhost ~]# cp -a /home/archive/. /boot/efi/`

Step_4	Verify that the **startup.nsh** script can be found directly in the **/boot/efi** directory.
	
	LocalServer_OSPrompt:~# **ls /boot/efi**
	
	NOTE: Some of the content of the archive could change depending on the version.
		`[root@localhost ~]# ls /boot/efi`
		`EFI`
		`firmware`
		`lan`
		`startup.nsh`

Step_5	Reboot the platform and access the UEFI/BIOS setup menu.	
Step_6	Navigate to the **Save & Exit** menu and then to the **Boot Override** section. Select the option that corresponds to the **UEFI: Built-in EFI Shell** and press **Enter**. The built-in EFI Shell should launch.	

Step_7	Press any key other than **'q'** to continue. The UEFI/BIOS upgrade should start.	
Step_8	Once completed, the BMC and the platform will automatically reset. It may take several seconds to complete the power cycle and the remote connection might be lost.	

4.3.3 Upgrading the UEFI/BIOS firmware from the server operating system

Prerequisites

1	The **.tar.gz** archive provided by Kontron has been downloaded on a Linux OS installed on the platform.
2	A Linux-based OS is installed on the platform.

Procedure

Step_1	Access the operating system and open a command line interface.
Step_2	Uncompress the **.tar.gz** archive on the Linux OS installed on the platform. LocalServer_OSPrompt:~# **tar -xfv [FILE_NAME].tar.gz**
Step_3	Access the folder created by the archive. LocalServer_OSPrompt:~# **cd [FILE_NAME]**
Step_4	Execute the upgrade script. LocalServer_OSPrompt:~# **./update.sh** **NOTE:** It may take a moment for the UEFI/BIOS firmware upgrade to complete.

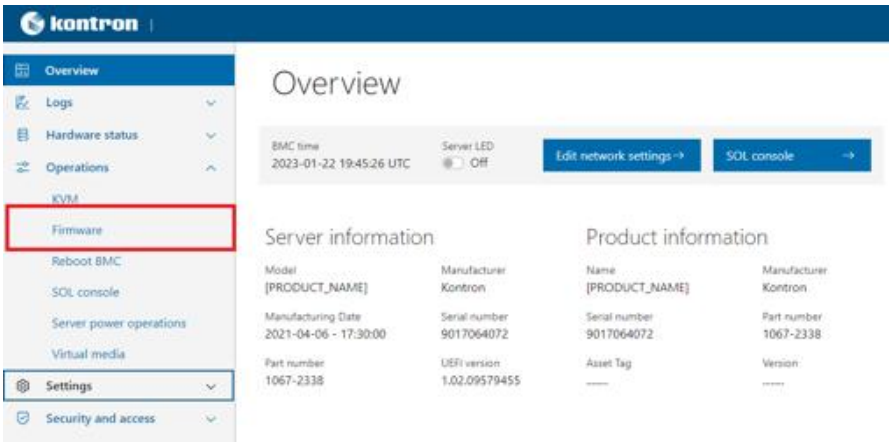
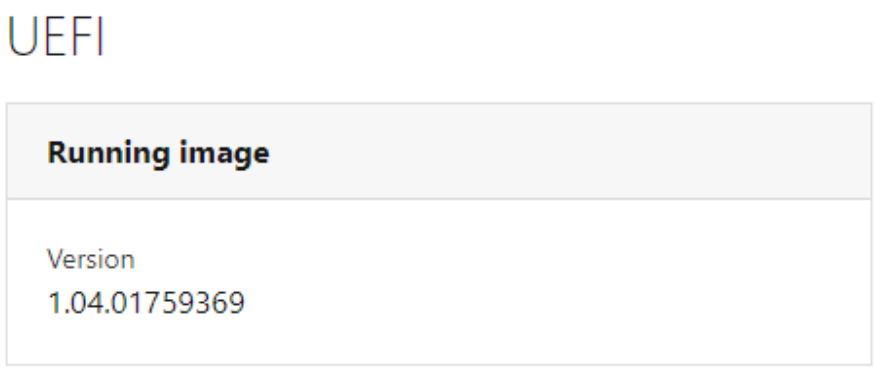
4.3.4 Upgrading the UEFI/BIOS firmware using the Web UI

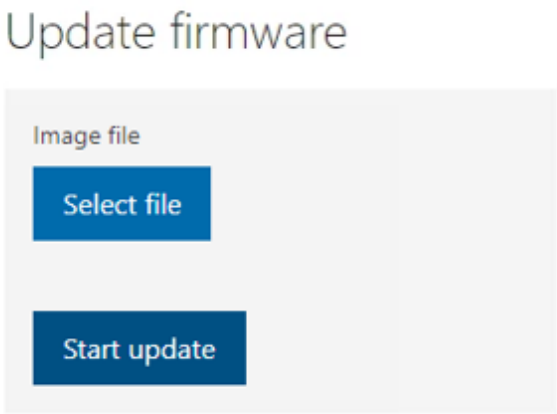
Prerequisites

1	The web package (**.tar.gz**) provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Web UI is required.

Procedure

	⚠️ **Loss of user settings** ⚠️ Using this UEFI/BIOS firmware upgrade method will revert all UEFI/BIOS settings to factory defaults. This includes device boot order and network boot parameters. Configuration changes may need to be reapplied and saved before the integrated server OS can boot.

Step_1	From the left-side menu of the BMC Web UI, click on **Operations** and then on **Firmware**.	
Step_2	Verify the current firmware version. Make sure that the new firmware is more recent.	

Step_3	From the **Update firmware** section, choose a **.tar.gz** file to upload for the UEFI/BIOS by clicking on **Select file**.	
Step_4	Click on **Start update**.	
Step_5	When the file has successfully been uploaded, a success message should appear in the top right corner.	
Step_6	Wait for the UEFI/BIOS to update. The page should refresh automatically upon successful update.	
Step_7	Once the UEFI/BIOS becomes available again, verify that the firmware version has changed.	

4.3.5 Upgrading the UEFI/BIOS firmware using Redfish

Prerequisites

1	The web package (**.tar.gz**) provided by Kontron was downloaded on the remote computer.
2	Access to the BMC Redfish interface is required.

Procedure

	⚠Loss of user settings⚠ Using this UEFI/BIOS firmware upgrade method will revert all UEFI/BIOS settings to factory defaults. This includes device boot order and network boot parameters. Configuration changes may need to be reapplied and saved before the integrated server OS can boot.
Step_1	**From the BMC Redfish interface, verify the current UEFI firmware version.** RemoteComputer_OSPrompt:~$ curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Systems/system | jq .BiosVersion
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.175.208/redfish/v1/Systems/system | jq .BiosVersion` `"1.00.0968fc16"`
Step_2	**(Optional) Update the current UEFI/BIOS firmware and configuration backup image. Please refer to the "Backup and restore" section for the procedure.**

Step_3	Upload the firmware by executing the following command. The payload will be shutdown by the update service to be able to save the new firmware. RemoteComputer_OSPrompt:~$ curl -k -s --request POST --url [ROOT_URL]/redfish/v1/UpdateService --header 'Content-Type: application/octet-stream' --upload-file '[FILE_PATH]' | jq

	`$ curl -k -s --request POST --url https://admin:ready2go@172.16.175.208/redfish/v1/UpdateService --header 'Content-Type: application-/octet-stream' --upload-file 'ME1310-UEFI-1.06.096AF3C1-web.tar.gz' | jq`
	`{`
	`"@odata.id": "/redfish/v1/TaskService/Tasks/1",`
	`"@odata.type": "#Task.v1_4_3.Task",`
	`"Id": "1",`
	`"TaskState": "Running",`
	`"TaskStatus": "OK"`
	`}`

Step_4	Note that the BMC is also rebooted during the new firmware activation and it can take a few minutes before the end of the firmware update and reboot process. When this is done, verify the version. RemoteComputer_OSPrompt:~$ curl -k -s --request GET --url [ROOT_URL]/redfish/v1/Systems/system | jq .BiosVersion
	`$ curl -k -s --request GET --url https://admin:ready2go@172.16.175.208/redfish/v1/Systems/system | jq .BiosVersion` `"1.06.096af3c1"`

5. Individual Changelogs

5.1. BIOS

5.1.1. Changes since Fig

- Update to code drop 5.28_Idaville_0ACOY_LCC_HCC_056
- Updated nvmupdate tool for linux bundles
- Added C827 NVimage flavour for the I/O board

5.1.2. Changes since Elderberry

- None

5.1.3. Changes since Dragonfruit

- Updated to UEFI version 1.12
- Updated to code drop 5.28_Idaville_0ACOY_LCC_HCC_052
- Set elements of 'Redfish Host Interface' setup page fields as read only (ME1310-2014)
- Configured the PCH PCIe RP cluster 1 in (x4x4) for slots 50 and 52 of the I/O Board

5.1.4. Changes since Initial Release

- Updated to UEFI 1.10 with major code drop and security image-format checks (ME1310-2004)
- Updated to code drop 5.28_Idaville_0ACOY_HCC_040 (ME1310-2004)
- Updated AMITSE module to MAINT_AMITSE_2_22_1286.4 for SA50216/AMISV638 SA50230/AMISV7097 SA50235/AMISV7122 : The decoding algorithms for BMP, JPEG, PNG, GIF and PCX image formats were updated with additional checks for memory allocation, image format and data integrity checks, and boundary checks. (ME1310-2004)

- Updated linux script to detect when LAN version is the same (ME1310-2004)

5.2. BMC

5.2.1. Changes since Fig

- Fixed issue where flashing the FRU would cause a loss of thresholds or fans configuration (ME1310-2080)
- Fixed issue where wear leveling of the sub-system in U-Boot would cause the system to get stuck in boot. (ME1210-3215)
- Fixed issue where when rebooting in the WebUI a shutdown would occur (ME1310-2078)
- Fixed an issue where thresholds of fans were lost after a reboot via Redfish (ME1310-2079)
- Fixed issue where connectivity on ETH1 was lost after a host reset (ME1310-2076)
- Fixed an issue where when setting boot override to BIOS, it can not be reset to None (ME1310-2018)
- Fixed an issue where the logs when booting from alternate flash could not be seen in the primary flash (ME1310-2072)
- Fixed an invalid entry for FPGA in SNMP (ME1210-3143)
- Fixed issue where when the backup firmware is corrupted, the system still attempts to load it. (ME1310-1942)
- Fixed an issue where junk files would fill the space and prevent new entries. (ME1310-2058)

5.2.2. Changes since Elderberry

- Improved NVMe temperature sensor accuracy and thresholds (ME1310-2032)
- Added a check to ensure the uploaded firmware (web bundle) matches the product, to prevent corruption (ME1310-2052)
- Added NVMe temperature sensor support (ME1310-2032)
- Added filtering for ICMP timestamp requests and replies (ME1210-3226)
- Added missing kernel configuration to filter ICMP timestamp request and replies (ME1210-3226)
- Fixed a bug related to the default password of the 'admin' user (ME1210-3225)
- Added support for both IO board FRU variants (ME1210-3224)
- Fixed a bug where enabling/disabling a network interface could change IPMI channel settings (ME1210-3223)
- Added I2C mux support for IOB NVMe drives (ME1310-2033)
- Fixed issues and improvements related to user creation, deletion, and modification (ME1310-2054, ME1310-2055)
- Fixed a bug with the synclist file (ME1310-2056)

5.2.3. Changes since Dragonfruit

- Report if BMC booted from alternate or primary SPI Flash (ME1210-3191)
- Fix to EventsLog and PostCodesLog files downloaded through WebUI (ME1210-3180)
- Added missing sources for the Board reset sensors (ME1210-3097, ME1310-1998)
- Disabled su command for all users (ME1310-2051)
- Added IOB support in ME1310 (ME1310-2032)
- Disabled root logins via LDAP (ME1210-3216)
- Fixed CA Certificate list update and remove unnecessary journal log messages (ME1210-3207, ME1210-3172)
- Enforced security privileges for LDAP configuration (ME1310-2050)
- Fixed LDAP authentication on ME1210/ME1310 (ME1210-3214)
- Fixed action of refresh button and improved a misleading message in the WebUI (M1310-2026, M1310-2006)
- Improvements/fixes for IPv6 settings (ME1210-3208, ME1210-3201)
- Fixed a x86-power-control module patch change (ME1210-3206)
- Corrected incorrect sensors min and max (ME1210-3198)

- Fixed potential failing of data sync to alternate BMC partition (RD10049-1381)
- Fixed incorrect application of the patch for certificate 12h timestamp offset (ME1210-3186)
- Fixes for web sessions timeout issues (ME1210-3190, ME1210-3198)
- Fixed certificate timestamp offset of 12h when read from redfish (ME1210-3186)
- Implemented SSL client truststore and CA certificates updates on build (ME1310-2024)
- Implemented Redfish EventDestination "VerifyCertificate" schema (ME1310-2003)
- Added support for SSL http-client and remove unnecessary pam messages (ME1310-2003, ME1210-3187)
- Updated driver to support 2 device sources for humidity and temperature sensors (ME1210-3185)
- Added support DHCP, SLAAC and Static mode concurrently (ME1310-1184)
- Added to network config possibility to set IPv6 static gateways (ME1310-1184)
- Additional IPv6 enhancements and fixes (ME1310-1184)
- Add and Fix Chassis Intrusion support (RD10049-1389)
- Prevent unrecoverable BMC user lockout (RD10049-1387)
- Synced FRU data and critical data to alternate flash (RD10049-1381)

5.2.4. Changes since Initial Release

- Updated RD10044 version to 1.10 (ME1310-2008)
- Fixed multiple problems concerning CPU/Temp sensors (ME1310-2008)
- Updated RD10044 version to 1.09 (ME1310-2008)
- Improved handling of false fan deviation events (ME1210-3056)
- Enabled HTTP support for Redfish event push (RD10049-1332)
- Renewed self-signed certificate if expired (RD10049-1262)
- Fixed event data in SEL for threshold-based events (RD10049-1341)
- Allowed bmc webui to differentiate between undefined and inaccessible jumpers (RD10049-1310)
- Fixed 'WDT disable' jumper regression (RD10049-1364)
- Fixed Manufacturing date in Redfish / WebUI (RD10049-1300)
- Improvements for FPGA and UEFI updates (ME1210-2942)
- Fixed AssetTag edit over Redfish (RD10049-1333)
- Improved graceful shutdown command behavior (ME1210-2873)
- Added wait 3 additional seconds when heater is ready (ME1310-1931)
- Improvements in firmware update process (ME1310-1811, ME1210-3173)
- Enabled Redfish access to Diagnostic Collection Dumps (ME1210-3175)
- Thresholds adjustment (ME1310-1968, ME1310-1922)
- Fixed an issue were setting an out-of-bounds sensor threshold value would break other thresholds (ME1310-1558)
- Fixed ncsi not working when payload power off (ME1310-1573)
- Fixed fan deviation and redundancy detection (ME1310-1951)
- Mitigated FPGA corruption with concurrent updates (ME1210-3162)
- Fixed potential issue when enabling ethernet NIC (ME1210-3160)
- Changes in PSU sensors thresholds (ME1210-3157, ME1210-3146, ME1210-3161)
- Simplified network static config (ME1210-3153)
- Fixed BMC not functional after upgrade if power is disrupted (ME1310-1980)
- Fixed issue with hostname and DNS IP error when saving modification (ME1210-3151)
- Added SNMPv3 user configuration support (ME1310-1178)
- Fix for http 'unauthorized' (401) responses in BMC Web (ME1210-3150)
- Fixed bug when BMC restart triggers a Full-System-Power-Cycle (ME1310-1971)
- Fixed BMC reset when initializing R/W partition (RD10049-1112)
- Allowed network static IP config without gateway (ME1210-3117, ME1310-1913)
- Made WebUI "create user" error message more elaborate (ME1210-3020)
- Made "Full System Power Cycle" feature available for users (WebUI/Redfish) (ME1210-3122)

5.3. FPGA

5.3.1. Changes since Fig

- None

5.3.2. Changes since Elderberry

- None

5.3.3. Changes since Dragonfruit

- Changed Switch WD timeout value from 2min to 3min. (ME1310-2030)

5.3.4. Changes since Initial Release

- Added a new bit SltPwrHld to BMC 0x2d: Miscellaneous Controls and Status 1 indicating to the BMC when the PCIe slots and M2 powers are held off during the CPU power up sequence. (ME1210-2887)
- No more gating auxiliary power with HaltPowerON, revert to same behavior as ME1210. (ME1310-1573)

About Kontron

Kontron, a global leader in embedded computing technology and trusted advisor in IoT, works closely with its customers, allowing them to focus on their core competencies by offering a complete and integrated portfolio of hardware, software and services designed to help them make the most of their applications.

With a significant percentage of employees in research and development, Kontron creates many of the standards that drive the world's embedded computing platforms; bringing to life numerous technologies and applications that touch millions of lives. The result is an accelerated time-to-market, reduced total-cost-of-ownership, product longevity and the best possible overall application with leading edge, highest reliability embedded technology

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