

Product Change Notification (PCN)

PCN #: 3D-2026

Date: March 12th, 2026

1 Products Affected

Ezurio Part Number	Description
N8MP_SMARC_SOM_2r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC
N8MP_SMARC_SOM_2r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / -40 to +85°C
N8MP_SMARC_SOM_4r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC
N8MP_SMARC_SOM_4r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / -40 to +85°C
N8MP_SMARC_SOM_8r16e	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC
N8MP_SMARC_SOM_8r16e_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / -40 to +85°C
N8MP_SMARC_SOM_2r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_2r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / NX611 / -40 to +85°C
N8MP_SMARC_SOM_4r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_4r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / NX611 / -40 to +85°C
N8MP_SMARC_SOM_8r16e_NX611_1M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / NX611
N8MP_SMARC_SOM_8r16e_NX611_1M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / NX611 / -40 to +85°C
N8MP_SMARC_SOM_2r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_2r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 2GB / 16GB eMMC / IF573 / -40 to +85°C
N8MP_SMARC_SOM_4r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_4r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 4GB / 16GB eMMC / IF573 / -40 to +85°C
N8MP_SMARC_SOM_8r16e_IF573_3M	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / IF573
N8MP_SMARC_SOM_8r16e_IF573_3M_i	Nitrogen8M PLUS SMARC: i.MX8M Quad Plus / 8GB / 16GB eMMC / IF573 / -40 to +85°C

2 Description of Changes

The bootloader programmed on standard parts of the Nitrogen8M Plus SMARC family will be updated from U-Boot version 2022.04 to U-Boot version 2024.04.

3 Reason for Change

This update is being implemented to maintain alignment with the latest supported U-Boot release and to incorporate ongoing upstream improvements and bug fixes.

4 Anticipated Impact of the Change

No anticipated impact. Customers who have their own u-boot may reflash their preferred bootloader version onto the module as part of their normal software deployment process.

5 Method of Identifying the Changed Product

5.1 U-boot Version

2022.04:

```
U-Boot 2022.04-63958-g022ec9bc331 (Jan 31 2025 - 08:37:37 +0000), Build: jenkins-uboot_v2022.04-199
CPU: i.MX8MP[8] rev1.1 1800 MHz (running at 1200 MHz)
CPU: Commercial temperature grade (0C to 95C) at 26C
Reset cause: POR
Model: Boundary i.MX8MPlus nitrogen8mp smarc board
Board: nitrogen_smarc
      Watchdog enabled
DRAM: 2 GiB
Core: 329 devices, 28 uclasses, devicetree: separate
MMC: FSL_SDHC: 0, FSL_SDHC: 1
Loading Environment from MMC...
OK
```

2024.04:

```
U-Boot 2024.04-77078-g5e6bb57c650 (Jan 26 2026 - 22:30:18 +0000), Build: jenkins-Boundary-uboot_v2024.04-42
CPU: i.MX8MP[8] rev1.1 1800 MHz (running at 1200 MHz)
CPU: Commercial temperature grade (0C to 95C) at 30C
Reset cause: POR
Model: Ezurio Nitrogen8M Plus SMARC board
DRAM: 2 GiB
optee optee: OP-TEE api uid mismatch
Core: 179 devices, 29 uclasses, devicetree: separate
MMC: FSL_SDHC: 0, FSL_SDHC: 1, FSL_SDHC: 2
Loading Environment from nowhere... OK
```

6 Factory Effectivity Date

This change is effective immediately and will be applied to all newly manufactured units of the standard part numbers in the Nitrogen8M Plus SMARC family moving forward.

7 Contact Information

Headquarters Ezurio
50 S Main St., Suite 1100
Akron, OH 44308 USA
Tel: 1(330) 434-7929
Fax: 1(330) 434-7931

Website www.ezurio.com

Sales / Support Contact <https://www.ezurio.com/contact>

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