

E610 Online Firmware Upgrade Guide

1.Navigate to the E610 folder, then run flash.nsh.

When the first prompt appears, enter a; for the second prompt, enter n, press Enter and wait for flashing to complete.

```
BLK0: Alias(s):
      PciRoot(0x0)/Pci(0x6,0x0)/Pci(0x0,0x0)/NVMe(0x1,05-A1-0C-4E-68-B7-26-00)
BLK2: Alias(s):
      PciRoot(0x0)/Pci(0x6,0x0)/Pci(0x0,0x0)/NVMe(0x1,05-A1-0C-4E-68-B7-26-00)/HD(2,GPT,08AA921C
-2D04-4408-A7C7-799E6EE5FE2A,0x96800,0x8000)
BLK5: Alias(s):
      PciRoot(0x0)/Pci(0xD,0x0)/USB(0x1,0x0)
Press ESC in 5 seconds to skip startup.nsh or any other key to continue.
Shell> fs3:
FS3:\> cd E610_XAT2_FW_8000F3CD
FS3:\E610_XAT2_FW_8000F3CD> flash.nsh
FS3:\E610_XAT2_FW_8000F3CD> nvupdate64e.efi -f

Intel(R) Ethernet NVM Update Tool
NVMUpdate version 1.43.8.1
Copyright(C) 2013 - 2025 Intel Corporation.

WARNING: To avoid damage to your device, do not stop the update or reboot or power off the system du
ring this update.
Inventory in progress. Please wait [...|.....]

Num Description                               Ver.(hex)  DevId S:B   Status
===
01) Intel(R) Ethernet Network Adapter 1.97(1.61) 57B0 00:170 Update
     E610-XT2                               available

Options: Adapter Index List (comma-separated), [A]ll, e[X]it
Enter selection: a
Would you like to back up the NVM images? [Y]es/[N]o: n_
```

2.A reboot notification indicates the flashing process is finished. Power cycle the device to restart.

```
NVMUpdate version 1.43.8.1
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WARNING: To avoid damage to your device, do not stop the update or reboot or power off the system du
ring this update.
Inventory in progress. Please wait [...|.....]

Num Description                               Ver.(hex)  DevId S:B   Status
===
01) Intel(R) Ethernet Network Adapter 1.97(1.61) 57B0 00:170 Update
     E610-XT2                               available

Options: Adapter Index List (comma-separated), [A]ll, e[X]it
Enter selection: a
Would you like to back up the NVM images? [Y]es/[N]o: n
Update in progress. This operation may take several minutes.
[.+|.....]

Num Description                               Ver.(hex)  DevId S:B   Status
===
01) Intel(R) Ethernet Network Adapter 1.97(1.61) 57B0 00:170 Update
     E610-XT2                               successful

A reboot is required to complete the update process.

Tool execution completed with the following status: All operations completed successfully.
Press any key to exit.
```

3. After boot-up, go back into the E610 folder. Run `cat fw1.nsh` or `cat fw2.nsh` to verify the firmware version.

If these commands return an error, manually execute:

`eeupdate64e.efi /nic=1 /adapterinfo`

or

`eeupdate64e.efi /nic=2 /adapterinfo`

to check the firmware version.

Match the displayed version number against the target version to confirm a successful firmware flash.

```
FS3:\E610_XAT2_FW_8000F3CD\> "cat fw1.nsh"
FS3:\E610_XAT2_FW_8000F3CD\> eeupdate64e.efi /nic=1 /adapterinfo

Using: Intel (R) PRO Network Connections SDK v2.43.2
EEUPDATE v5.43.02.00
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NIC Bus Dev Fun Vendor-Device Branding string
=== === === === =====
  1 170 00 00 8086-57B0 Intel(R) Ethernet Controller E610 for 10GBASE-T
  2 170 00 01 8086-57B0 Intel(R) Ethernet Controller E610 for 10GBASE-T

1:
EtrackID: 8000F3CD
Firmware Version: FW:7.13 API:1.7.11
MAC Address: 78-55-36-00-B1-47
NVM Version: 1.61 MAP1.41
Firmware Lockdown: Unsupported
NVM Netlist Version: 0.0.0-0.20.0.D9C61E71
EDM Done: No
Pending Reboot: No
Serial Number: 47b100ffff365578

FS3:\E610_XAT2_FW_8000F3CD\> _
```