









Second Stage Boot Loader

Releases

	Current release:	<ul style="list-style-type: none">V1.6.0.1	For previous versions see version history.
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Availability

Controller	netX5	netX6	netX10	netX50	netX51	netX52	netX100	netX500
Status								

General Information

News

Blog Posts

- [2ndStageLoader V1.4.17.0 released](#) created by Stephan S [X] 2014-10-01
Second Stage Boot Loader
- [2ndStageLoader V1.4.16.0 released](#) created by Michael Trench 2014-02-19
Second Stage Boot Loader
- [2ndStageLoader V1.4.15.0 released](#) created by Michael Trench 2014-01-28
Second Stage Boot Loader



Features

- Required for all standard loadable firmwares (*.NXF)
- Boot loader program Size < 64 Kbyte binary code to allow loading via DPM on netX100/500
- Serial COM support
- USB / CDC support
- DPM support (including host interrupt enabled in DPM mode)

For more details click [here ...](#)

FAQs



- How to enable Serial DPM via Taglist (netX100/500/510/520 only)
- Firmware validation fails (ulBooError = 9, FIRMWARE AR EM IS MATH)

[More FAQs . . .](#)



Description

The "Second Stage Boot Loader" is a basic netX system loader, started by the netX ROM loader, and designed to create a standard Hilscher netX dual port memory.

It offers basic functionalities for all netX based standard components like device drivers and communication components and enables the download of firmware files larger than 64 KB via the dual-port memory. Another task of the boot loader is to cover as many hardware dependencies as possible (e.g. MMIO/chip type settings).

For more details click [here ...](#)

Road map

For more details click [here ...](#)

Documentation

Page	Document type	Document title	Content	Date	Language	File type
Second Stage Boot Loader netX - Function description (Revision 16 - V1.6)	Function description	Second Stage Boot Loader - netX 10/50/5 1/52/10 0/500	Function description	2018-07	English	PDF
Second Stage Boot Loader netX - Function description (Revision 14 - V1.4)	Function description	Second Stage Boot Loader - netX 10/50/5 1/52/10 0/500	Function description	2014-10	English	PDF