



---

# **H804 Secure NetEx/IP**

## **for Intel x86 Platforms on Linux Operating Systems**

**Release 1.5.2**

---

**Memo to Users**

March 2020

# Introduction

---

This product implements the Network Executive Software Secure NetEx/IP for Intel x86/Linux (H804).

This document should be reviewed carefully prior to installation of H804.

Secure NetEx/IP for Intel x86 for Linux (H804) Release 1.5.2 is NOT compatible or interoperable with other **non-secure** NetEx/IP products on other platforms, as well as with previous releases of H800IP.

H804 is available by download.

The following manual is available for H804:

*Hxx4 Secure NetEx/IP Reference Manual*

The manual, along with this Memo to Users can be downloaded from [www.netex.com](http://www.netex.com) by selecting the 'Support' tab, then navigating to 'Products', then selecting the 'Intel x86/Linux (H80x)' link on the right side of the window, and then clicking on 'Docs' in the 'Secure NetEx/IP [H804]' entry for the appropriate version.

## Support

For NetEx/IP and associated products, support is available via:

- 24x7 telephone at (800) 854-0359
- <http://www.netex.com/support>
- email: [support@netex.com](mailto:support@netex.com)

## Notice to the Customer

Comments about this documentation may be submitted via e-mail to [support@netex.com](mailto:support@netex.com) or by visiting our website, <http://www.netex.com>. Always include the complete title of the document with your comments.

Information on Network Executive Software's general software support policy (e.g., alternate contact methods, support severity level descriptions, and service status definitions) may be found at <http://www.netex.com/support/software-support-policy>.

## Software Modification Policy

Modifications to H804 that are not specifically authorized by NESi are prohibited.

Any unauthorized modifications to H804 may affect its operation and/or obstruct NESi's ability to diagnose problems and provide corrections. Any work resulting from unauthorized modifications shall be paid by the customer at NESi's then-current support rates and may result in the immediate termination of warranty/support coverage.

# New Features

---

This product is functionally equivalent to (non-secure) H800IP Release 7.0.4 with the added capability of optionally sending data privately/securely.

## Release 1.5 Features

Additional hostname resolution features:

- independent connect from ip address resolution check

## Release 1.4 Features

Additional hostname resolution features:

- setIP for resolving NetEx hostnames
- connect timeout parameter
- restricting inbound connections source IP to the setIP list of IP addresses

## Release 1.3 Features

Loadable Code Conversion tables.

## Release 1.2 Features

Added support for Secure TNP (TNP804) for use with legacy NetEx/IP Requester products.

Multihost support has been added to this release. When enabled, the hostname of the Connect and Offer must match.

FIPS mode has been added to the security settings, as well as specific cipher selection tuning.

# Installation

---

## Installation Notes

1. H804 is available as a downloadable distribution. Download instructions can be obtained by contacting [support@netex.com](mailto:support@netex.com).
2. Follow the installation instructions in the appendix for Linux Installation in the *Hxx4 Secure NetEx/IP Reference Manual* to complete the installation.
3. Check if there are any H804 updates by going to [www.netex.com](http://www.netex.com), then clicking on the ‘Support’ tab, then navigating to ‘Products’, then selecting the ‘Intel x86/Linux (H80x)’ link on the right side of the window, and then clicking on ‘Updates’ in the ‘Secure NetEx/IP [H804]’ entry for the appropriate version. If there are any, download them and follow their installation instructions.

# Update Summary

---

## Release 1.0

This is a new product release which is functionally equivalent to the non-secure H800IP Release 7.0.4.

## Release 1.2

This is a new maintenance release which has the following tickets addressed:

<b>Ticket</b>	<b>Description</b>
---------------	--------------------

8161	Sync code conversion tables between Hxx4 and H210
8145	Remove API documentation from the manual; available via support@netex.com
8144	Allow tuning of SSL cipher list
8140	NRBSTAT 3202 now in documentation
8135	Add column header to SNXMAPOP 'all'
8117	FIPS mode added to SNXMAP configuration
8115	SNXMAP messages in systemd journal include timestamps
8104	Correct cleanup failure on NetEx Requester transfer.
8103	SNXMAPOP now shows correct license expiration time
8061	SNXMAP now logs to systemd journal
8039	Multihost now supported in Secure NetEx
7965	RFCLEANUP in read processing no longer hangs application
7964	Set NRBSTAT on wait que NRBS during session cleanup
7962	SSL configured for TLSV1 only
7961	Run eat/gen using netex max block
7958	3506 errors are no longer retried
7954	SNXMAP detects select error

## Release 1.3

This is a new maintenance release which has the following tickets addressed:

<b>Ticket</b>	<b>Description</b>
---------------	--------------------

8140	NRBSTAT 3202 not in Hxx4 documentation
8144	Allow tuning of SSL cipher list
8161	Sync code conversion tables between Hxx4 and H210
8167	Allow configuration of SSL protocol
8191	Buffer overflow in data conversion
8333	Hostnames of all Numbers does not work; should be documented
8395	\$ Character Not Valid in Offer IDs - Allow printable characters for hostname and offername
8489	Enhance SNX3210I message to include local address and port

**Ticket Description**

8496 Add serial number to peer certificate message

**Release 1.4**

This is a new feature release which has the following tickets addressed:

**Ticket Description**

8579 Use Unix domain sockets for IPC

8586 Add CONNTO for connect timeout

8599 Host name resolution

8600 Ability to load custom Character Conversion Tables

8618 Add feature to restrict the inbound connection to a list of from IP addresses

**Release 1.5**

This is a new feature release which has the following tickets addressed:

**Ticket Description**

8713 Provide CONIP for allowed connect from IP address

**Release 1.5.2**

This is a new feature release which has the following tickets addressed:

**Ticket Description**

8802 Invalid command 'setconip'

8875 Protect errno from possible change in log message callback

8905 Potential to hang offer port

8909 SNX4217E does not contain correct SSL connect result code

8925 Only export API symbols in shared library

9000 LCLHOST value is not content checked

9003 SOFFR does not validate nrbhost

9007 Hostname value in setip command is not content checked

9038 Resolve snetex service once per session

9053 Move offer conip check from last to first

9057 Consolidate SNXMAPOP output

9082 SNXMAPOP option '-' is ignored

9086 Allow configuration of SNXMAP listen backlog

9092 3506 after seeing 3501

9097 3501 error should have precedence

9098 offers fail with NRB=7