



SYNESIS Version 8.5 Release Notes

Nov 30, 2023, Version 8.5.1

Dec 13, 2023: Added " End of support for REST APIv1" to the specification changes since Version 8.0.

Dec 14, 2023: Added upgrade method for each model and current version.

Feb 27, 2024: Added #3 to "Specification changes since version 8.0".

Feb 27, 2024: Added #3 to "Known Issues and Limitations Added in This Version".

Upgrading

We provide 2 types of upgrading method, Upgrading Package and Recovery Media.

	Upgrading Package	Recovery Media
Operation	Applying the 2 packages in this order. 1. Extra Upgrading Package 2. SYNESIS V8.5 Package	Performing the system recovery.
Required Time	About 60~90 minutes.	About 90~120 minutes.
Existing Data and Settings	They will be kept.	They will be lost.
Applicable Version	V6.5.1 or later	All versions
Applicable Model	The models listed in the next section.	

The upgrade method for each model and current version is as follows:

Current version Models	Version 6.5-8.0	Version 6.0 or earlier
SYX-P-CB-2G-3, SYX-P-CB-4G-2, SYX-P-CB-10G-3, SYX-P-CB-20G-2, SYX-P-CB-40G-2	Apply Version 8.5.1 upgrading package.	After system recovery with Version 8.0.4 recovery media, apply Version 8.5.1 upgrading package.
Other than above	Same as above.	Perform system recovery using Version 8.5.1 recovery media.

Models of Upgrading Available

SYNESIS Portable		SYNESIS Distributed	
SYX-P-CB-2G-3	SYX-P-CB-40G-2	SYX-P-HPB-100G-2	SYX-D-CB-2G-1
SYX-P-CB-4G-2	SYX-P-CB-50G-1	SYX-P-CB-100G-1	SYX-D-HCB-8G-1
SYX-P-CB-10G-3	SYX-P-CB-50G-2	SYX-P-CB-100G-2	SYX-D-CB-10G-2
SYX-P-CB-20G-2	SYX-P-SB-80G-1		SYX-D-HPB-20G-2

P/Ns of Production Available

Control Unit P/N			Capture Module P/N	
SYxB-2GP3	SYxB-100GP4	SYxB-10GR2	SYxC-1G4N1-HP	SYxC-10G4N1-HP
SYxB-4GP2	SYxB-200GP3	SYxB-10GR3	SYxC-1G4N1-LE	SYxC-10G4N1-LE
SYxB-10GP3	SYxB-2GR1-C	SYxB-10GR3-T	SYxC-1G4N2-HP	SYxC-10G4N2-HP
SYxB-20GP2	SYxB-2GR2-C	SYxB-20GR2 (*1)	SYxC-1G4I1-LE	SYxC-25G2N1-HPL
SYxB-20GP1-R10	SYxB-2GR2-CT		SYxC-1G2N1-HPL	SYxC-25G4N1-HP
SYxB-40GP2	SYxB-8GR1-C (*1)		SYxC-10G2N1-HP	SYxC-100G2N2-HP
SYxB-50GP2	SYxB-8GR2-C (*1)		SYxC-10G2N1-LE	

(*1) Can apply External Storages.

New Features

- 1) Added Gigamon trailer as a supported NPB timestamp. [#25050]
- 2) Added User API, Statistics API, and SIP Register Analysis API to REST APIv2. [#25729]
- 3) Support for log collection via CLI. [#24450]
- 4) Added the following functions to the channel status dialog that is displayed when the channel icon in the SYNESIS GUI is clicked. [#25005]
 - Display adapter name per channel.
 - Display the Adapter Profile screen of the Management Console by clicking the button.

Specification Changes since Version 8.0

- 1) Added "Waiting" as a state in which the saving operation has not yet started after the trace file is requested to be saved. [#25903]
- 2) Support for REST APIv1 was discontinued after Version 8.0.
 - Support has ended, but it is still possible to use REST APIv1.
 - If a new implementation uses the REST API, please use REST APIv2.
- 3) Packet replay in performance mode is available in this version for SYNESIS using the adapter SYxC-25G4N1-HP.

Fixed Issues

- 1) Fixed an issue that could cause the screen to become inoperable when logging in to the SYNESIS OS from the remote desktop and the main unit screen simultaneously. In addition, it is found that the same problem could also occur in rare cases after logging out of the SYNESIS OS, so this issue has been fixed as well. [#25510]
 - ◇ This issue occurred in all versions since 8.0.
- 2) Fixed an issue that caused the analysis module to hang up in the SIP Register analysis process when a To field containing none of the characters "@", ":", or ";" existed in the SIP Register Response packet to be analyzed. [#27006]
 - ◇ This issue occurred in all versions since 3.7.
- 3) Fixed an issue in which the adapter name of the adapter SYxC-1G2N1-HPL is incorrectly described as "Synesis Adapter NT 10Gbps/1Gbps x2" in the SYNESIS GUI. [#26488]
 - ◇ This issue occurred in all versions since 8.0.
- 4) Fixed an issue in which various bit rate values are incorrectly set to units of Kbps when saving NPM analysis results flow information in a CSV file. [#27202]

- ✧ This issue occurred in all versions prior to version 8.5.
- 5) Fixed an issue in the VoIP filter that DNS traceback processing may result in the multiple extraction of DNS packets. [#26278]
 - ✧ This issue occurred in all versions since 6.0.
- 6) Fixed an issue in REST API 2.0 in which the second and subsequent filter creations rarely failed when software or hardware filters were created consecutively. [#26241]
 - ✧ This issue occurred in all versions since 6.0.

Known Issues and Limitations Added in This Version

- 1) In SYNESIS using the adapter SYxC-100G2N2-HP, if the OS is rebooted or the adapter profile is changed with a transceiver attached that does not match the link speed of the adapter profile, SYNESIS will stop functioning. [#26888]
 - ✧ This issue will occur in version 5.0 or later.
 - ✧ This issue can be avoided by removing the attached transceiver before changing the adapter profile.
 - ✧ If this failure occurs, restart the OS after removing the transceiver.
- 2) When the link on port 0 of the adapter SYxC-100G2N2-HP is up, the LED on the port 1 side lights up incorrectly.
 - ✧ This issue will occur in version 8.0 or later.
- 3) In SYNESIS using the SYxB-200GP3 control unit, when starting capture while receiving packets near the wire rate, a small amount of packet dropping may occur only for a few seconds right after the start.
 - ✧ This issue will occur in version 8.0 or later.