Date (dd.mm.yyyy):   12.06.2025

Product description:

syngo.via

1 Product Overview

Included products are listed below:

Item	Description	Qty	Rel
	syngo.via		
1.	**syngo.via RT Bundle Identifier**	1	R
	14444867rootPart[1].syngo[1].bundle[1] / Country of Origin:		
2.	**syngo.via Auto/Routine WS SW**	1	R
	14481369rootPart[1].syngo[1].BasicSoftware[1].svia_basic_sw_part[1] / Country of Origin:		
3.	**syngo.via Project Identifier**	1	R
	14456549rootPart[1].syngo[1].BasicSoftware[1].sviaProjectIdentifierPart[1] / Country of Origin:		
4.	**syngo.via VB80 Documentation Check**	1	R
	14481336rootPart[1].syngo[1].BasicSoftware[1].svia_Docu_Identifier_Part[1] / Country of Origin:		
5.	**Workplace/Workstation Hardware**	1	R
	14484715rootPart[1].syngo[1].Hardware[1].server[1].server_WP_WS_part[1] / Country of Origin:		
6.	**Prime HW Support WS 5y**	1	R
	14484719rootPart[1].syngo[1].Hardware[1].supportService_part[1].prime[1].hw_support_single_5_prime_part[1] / Country of Origin:		
7.	**Monitor EIZO MX243W col. 24.1-inch**	2	R
	14481015rootPart[1].syngo[1].Hardware[1].monitor[1].monitor_MX243W_part[1] / Country of Origin:		
8.	**syngo.MR General Engine WS**	1	R
	14481443rootPart[1].syngo[1].Application[1].engines[1].MRGeneralEngineMain[1].MRGeneralEnginePart[1] / Country of Origin:		
9.	**syngo.MR Composing #1**	1	R
	14484877rootPart[1].syngo[1].Application[1].applications[1].MRComposingMain[1].MRComposingPart[1] / Country of Origin:		
10.	**syngo.MR Neuro Perfusion #1**	1	R
	14481398rootPart[1].syngo[1].Application[1].a		

pplications[1].MRNeuroPerfusionMain[1].MRN
euroPerfusionPart[1] / Country of Origin:

11. **Handover Train SY Auto Routine / WS**   1   R

14463735rootPart[1].syngo[1].Training[1].Auto
RoutineTrainingPart[1] / Country of Origin:

12. **PACS-Driven Implementation Pkg. HQ**   1   R

14432433rootPart[1].syngo[1].Professional[1].'
Deployment Implementation
Package'[1].pacsImplPart[1] / Country of Origin:

T O T A L quantity is for one system

Optional products are listed below:

Item	Description	Qty	Rel
	syngo.via		
	T O T A L quantity is for one system		

2 Technical description

Item	Description
1.	**syngo.via RT Bundle Identifier**

Item	Description

2. **syngo.via Auto/Routine WS SW**

3. **syngo.via Project Identifier**

Item	Description

4. **syngo.via VB80 Documentation Check**

5. **Workplace/Workstation Hardware**
   Brief description
   Type: Hewlett Packard Enterprise server-based workstation ML110 Gen11
   Operating System: Windows Server 2022 Standard
   Processor: 1x Intel Xeon Silver
   RAM: 96GB
   System and Database Disk: SATA SSD
   Image and Backup: SAS HDD
   Gross Image Storage: approximately 1.9 TB
   Optical drive: CD/DVD-RW
   Graphical Processing Unit: 1x NVIDIA RTX A4000
   Mouse: USB Optical Scroll Mouse
   Included accessory: USB Standard international keyboard

   SRS Bandwidth Requirements
   In order to ensure uncompromised service support, the minimum bandwidth of the SRS broadband internet connection from the customer site to the SRS backend is 10 Mbit/s Download (recommended 30 Mbits/s) and 1.5 Mbit/s (recommended 2 Mbits/s) Upload.

   Hardware Service
   Hardware Service for this server configuration is mandatory and has to be ordered separately.

   Limited warranty applies for SSD/M.2 - storage due to maximum usage limitations. Three full drive writes per day for five (5) years is the maximum amount of data that can be written to the drive for operating system and Image

Item	Description

Data (STS). Drives that have reached this limit will not be eligible for warranty coverage.
The maximum amount of data written to the SSD/M.2 should not be achieved under normal use.

Technical details are subject to change without notice.

Customers authorize Siemens Healthineers to install updates and new software versions automatically by remote access or other means. If the automatism is not desired, it can be deactivated.

6. **Prime HW Support WS 5y**

Brief description

Prime HW Support with a service window depending on your IT Care Plan and on the SIEMENS Healthineers Customer Care Center (CCC) office hours.

The delivery of the on-site Break & Fix support is performed by HPE.

Content of the Prime HW Support:

- Remote problem diagnosis and support - Siemens Healthineers Service remotely uses HPE support tools to isolate your problem and facilitate resolution in close cooperation with the next HPE service hub in your area.

- Break & fix service with on-site support (NBD 9x5) - For issues that cannot be resolved remotely, an authorized HPE Services representative will be sent on-site and returns your system to operational condition, repairing or replacing components or entire units. If required, HPE services restore at the same time system and network functionality to allow Siemens Healthineers Service to seamlessly continue with any further required remote service activity.

- Defective Media Retention Service - This option allows you protect sensitive data by keeping your defective disk, without the need to return defective media.

- Integrated service management: - This customized solution speeds up the incident and problem management process by directing the issue forthright to HPE.

- Enhanced HW support - Provision of necessary BIOS-, Firmware and Driver

Item	Description

update packages to keep the HW system up to date.

Required patches and updates are provided remotely to be installed conveniently during the next application maintenance or service window by Remote Service Center (RSC) or the responsible IT system administrator.

7. **Monitor EIZO MX243W col. 24.1-inch**
Type: Color (IPS)
Backlight: LED
Size: 24.1" (61 cm)
Native Resolution: 1920 x 1200 (16:10 aspect ratio)
Maximal Brightness (typical): 410 cd/m²
Contrast ratio (typical): 1350:1

Monitor is delivered with an additional cable-kit, containing required power cables for the intended target region (APAC, Americas or EMEA).

Item	Description

8. **syngo.MR General Engine WS**

Main functionalities of *syngo*.MR General Engine:
- MR Basic workflow with <u>Easy Reading mode</u> for easy, fast, and intuitive MR reading, based on single-click and drag&drop interactions:
  - single-click interaction to navigate through the series
  - intelligent layout adaptation to compare series together
  - single-click fusion between different contrasts
- <u>MR Cardiac and MR Angiography</u>
- <u>MR Evaluation tools</u>: Subtraction, MeanCurve, Image Filter, 2D/3D Distortion Correction. ADC and b-value tool (for extrapolated b-values), Multiplication, Division, Addition, Elastic Motion Correction. Workflow optimized report templates.

Scope of delivery:
- 1 x *syngo*.MR General Engine software package with MR Radiology workflows, MR Cardio-Vascular workflows and MR Evaluation for a workstation-based server

9. **syngo.MR Composing #1**

syngo.MR Composing features:
- Display and storage of full-format images, e.g. of the spine or the vessel tree, composed from multiple overlapping stages.
- Dedicated composing algorithms, optimized for the generation of anatomical or angiographic full-format images.
- Data sets with different FoV, resolution, matrix and slice thickness can be composed and combined.
- Generation of full-format images from inline MIPs.
- Original, detail and reconstructed images can be displayed in different layouts.
- Measurements on reconstructed images.
- Extended orthopedic functions: Measurement of the Cobb (scoliotisis) angle, of the kyphotic angle, of vertical height differences and of horizontal interspaces.
- Key images/findings of the composing workflow can be transferred to *syngo*.via reporting.

Scope of delivery:
- 1 x *syngo*.MR Composing software package

Item	Description

10   **syngo.MR Neuro Perfusion #1**
Main functionalities of syngo.MR Neuro Perfusion:
- Rigid Motion Correction and spatial filter
- Computation of relative Mean Transit Time (relMTT), relative Cerebral Blood Volume (relCBV), relative Cerebral Blood Flow (relCBF), Time to Peak (TTP) and Percentage of Baseline at Peak (PBP)
- Global AIF, Global AIF with delay correction, local AIF, and local AIF with T1 correction for perfusion maps generation.
- Preprocessing functionality for map generation using local AIF methods
- Dedicated stripes layout for perfusion map reading
- Mean curve evaluation with up to 10 ROIs
- One-click mirror ROIs on the contralateral side with ratio computation
- Summary table displaying the results with .CSV export functionality

Scope of delivery
- 1 x *syngo*.MR Neuro Perfusion software with MR Neuro Perfusion Evaluation
- MR Neuro Perfusion AIF

11   **Handover Train SY Auto Routine / WS**
Brief description

The objective of this continuous Education Plan is to give the participants the necessary theoretical knowledge and practical experience to routinely operate the *syngo*.via system, and to become acquainted with the advanced multimodality clinical applications over the subscription term.

Among other methodologies; lectures, interactive practical exercises and e-Learnings will familiarize the participants with the functionality of *syngo*.via and the clinical case-specific applications.

Clinical Administrators will be trained as well in relevant clinical settings and configuration of the system. The customer has to provide the names of the Clinical Administrator and the Clinical Users to be trained, and ensure availability for training on the agreed training dates.

The Education Plan includes:

Pre-Training clarification:
Prior to the training, an analysis of the hospital/department workflow will be performed together with the nominated Clinical Administrator, resulting in a training outline tailored to your needs. The training sessions will be performed subsequently over the contracted subscription term.

*syngo.*via Standard User functionality training:
- Patient Navigation, data handling

Item	Description

- User Interface, mouse concept handling
- Standard Routine Reading Functionality

syngo.via Advanced Visualization application training, based on country regulatory application availability:
- *syngo*.MM reading
- *syngo*.via Advanced Reporting
- *syngo*.via ALPHA Technology
- *syngo*.via Cinematic VRT
- *syngo*.via advanced workflows based on user requirements

Clinical customization:
- Adjustment of system functions and workflow setting parameters within the User Interface (Prefetching, Worklists, Layouts, Monitor settings on the clients)
- Definition of assignment rules based on RIS examinations and/or modality scan protocols to their corresponding *syngo*.via workflows
- Adjustment of default basic reporting

The Siemens Application Specialist will support the clinical integration of the *syngo*.via into the institution clinical workflow.

Delta training:
Siemens will provide education means and training sessions for keeping up-to-date users' knowledge and competences along with *syngo*.via product lifecycle in case relevant subscription contract is available (version upgrades).

The Clinical Administrator will also be trained on the customization of additional scanners or modalities and on the assignment of site-specific workflows.

Application training hours per day can vary depending on country regulation. Effort or financial value recommended for WS packages is 2 days in total.

In case of multiple years of subscription is planned, Add-On of respective years have to be added using "Education Plan Lead / WS / 1y". This package will add additional 3 days for each additional year.

In case of additional applications are included as part of *syngo*.via system, training effort should be increased based on added applications on top of base SY package.

Before the application training, the Siemens Implementation Engineer will take care of the IT related system implementation which includes:
- Implementation DICOM Modality Worklist from RIS
- Configuration of archiving rules
- Configuration result transfer from Findings Navigator & Report into PACS and/or RIS
- Configuration of Network nodes between modality, *syngo*.via, PACS, RIS, printer etc.
- Configuration of Short-term storage, e.g. fill level for auto deletion
- Auto-Deletion, Auto-Archiving, Auto-Routing
- Installation of clients, where applicable, and setup of user groups and roles

Item	Description

12 **PACS-Driven Implementation Pkg. HQ**

The PACS-Driven Implementation Package includes the following tasks:
- Import of all *syngo.*via server license files
- Basic clinical configuration and integration of up to 5 DICOM nodes in *syngo.*via, such as one modality, one PACS, not more than two *syngo* MultiModality Workplaces, one printer, or one RIS/ DMWL-source including the request of a DICOM Modality Worklist sent to *syngo.*via for a networked Siemens scanner.
- Configuration DICOM access to *syngo.*via in *syngo* MMWP
- Assistance in setting up frontend integration of *syngo.*via with one PACS workplace (for image call-up directly out of the PACS application user interface). This may require the purchase of software and services from the PACS vendor. Additionally, the PACS must support a command line interface for *syngo.*via's ialauncher program. In case the PACS does not support the command line interface, consider using Desktop Connector.
- Integration of *syngo.*via into the IT infrastructure using an existing Active Directory, consultation of the customer's IT administrator for routing/ports.
- Configuration of basic workflow rules: autodelete, archiving, autorouting in *syngo.*via
- Acceptance Test in cooperation with the customer
- If applicable: Basic hardware installation, network integration and activation of Siemens Remote Services connections

Context of the implementation tasks:
- The DICOM conformance of the DICOM nodes is prerequisite for connection to *syngo.*via.
- The DICOM nodes to be connected to *syngo.*via must be configured and tested by the customer, for e.g. configuration of the remote DICOM node *syngo.*via, routing rules, procedures. If necessary, the customer orders these services from the DICOM node's vendor.
- The DMWL-source must be able to provide the DMWL to *syngo.*via identical to the DMWL provided to the modalities.
- The configuration of the customer's Local Area Network is performed by the customer.
- Provision of a minimum broadband Internet connection bandwidth with 2000 kBit/s downstream and 256 kBit/s upstream for Smart Remote Services (SRS) by the customer. If the customer does not provide SRS connectivity, then additional professional services for implementation without SRS support are offered. For service support after implementation the following minimum specification has to be provided: Downstream 2000 kBit/s (for Software update, IT- and Application support); Upstream 512 kBit/s (for Application support); Upstream 256 kBit/s (for Software update and IT support).
- The customer provides information, such as: IP addresses of the server for its network integration and the DICOM nodes identifiers.
- The customer provides the required power supply and the installation location for the server hardware.
- Presence and support of the customer's administrators (clinical and IT administrator) is required during implementation. In preparation for implementation support the customer's administrators have completed the *syngo.*via web-based trainings, which are part of the scope of delivery.

- A list of applications and systems with validated connectivity to *syngo.*via can

Item	Description

be requested from your Siemens Sales Representative.
- If a DICOM node or another system has not been validated yet for connection to *syngo*.via by Siemens, then the customer will give his acceptance though there could be a narrowed functionality of the connection.
- Installation of *syngo*.via client software on additional workplaces, or configuration of additional DICOM nodes, or the distribution of the frontend integration to additional PACS workplaces are performed by the customer's administrator or can be ordered from Siemens separately as an option.
- The image call-up implementation and configuration will be upgraded by the customer with future software versions of the calling application (RIS, PACS).

Project coordination is performed by Siemens. Please see the *syngo*.via Data Sheet for system requirements and detailed description of implementation tasks.

If applicable, the hardware installation service includes the following tasks:
- Unwrapping. Consolidation of all packaging material and notification to the customer that the materials are ready for removal.
- Mechanical and electrical connections at site of operation
- Mechanical installation in a common rack (e.g. HP, Fujitsu, IBM, Rittal) not older than three years and connection to a console.
- Connection to the power supply, to Uninterruptable Power Supply (if applicable)
- Startup of operating system
- Connection and network configuration of the server and the remote service board to the LAN
- Configuration of remote service board (network settings, users configuration) if supported by server
- Test monitor setup and Handover of the readily installed system to the customer.

For the installation the customer provides, as described in the product Data Sheet,:
- Access to the location and space for server operation
- Electrical power
- LAN access and LAN configuration
- Configuration of the broadband internet access for Siemens Remote Services
- IT Administrator's coordination and support for the mechanical and IT installation.
- Server and monitor(s) are at the site of operation. The customer's monitors are accompanied by appropriate cables.
- The connection of one or two monitors to the Workstation HW (including the Workstation HW Extended) does not include monitor calibration.
- For Workstation HW (including the Workstation HW Extended), depending on the local regulations, the monitor installation described here may allow viewing only.

If applicable, the import of a predefined container is to be done by the customer administrator for the setup of a virtualized system.

Note:
Some activities (e.g. hardware installation) may be subcontracted to a local partner of Siemens HQ.

Note:

Item	Description
	Certain constraints apply regarding the supported OS versions for the syngo.via clients. For details please check the datasheet of the respective syngo.via version.