

SIEMENS



Evolve.Express Upgrade to the future—now

Biograph TruePoint Family

usa.siemens.com/evolve.express

System
Services

Biograph TruePoint Family Evolve.Express Upgrade

The Evolve.Express upgrade for the Biograph® TruePoint™ delivers the latest computer hardware and/or PET syngo® 6.7 software, depending on your unique specification, to improve performance and enhance system functionality.

Protect your investment with an Evolve.Express Upgrade!

Evolve.Express

Upgrade to the future—now

With Evolve.Express, you can protect your investment by making your Biograph TruePoint more efficient and cost effective.

Protect the integrity of your system by increasing protection with McAfee® Embedded Control.

Protect your revenue stream with an upgrade that provides XR29 compliance¹ and remain competitive, with the ability to upgrade your system with new clinical functionality.



**Longer life cycle—
optimize your investment**

**Stay innovative—expand
into new service lines**

**High standard of care—
without impacting your
workflow**

¹ For U.S. only.

Highlights

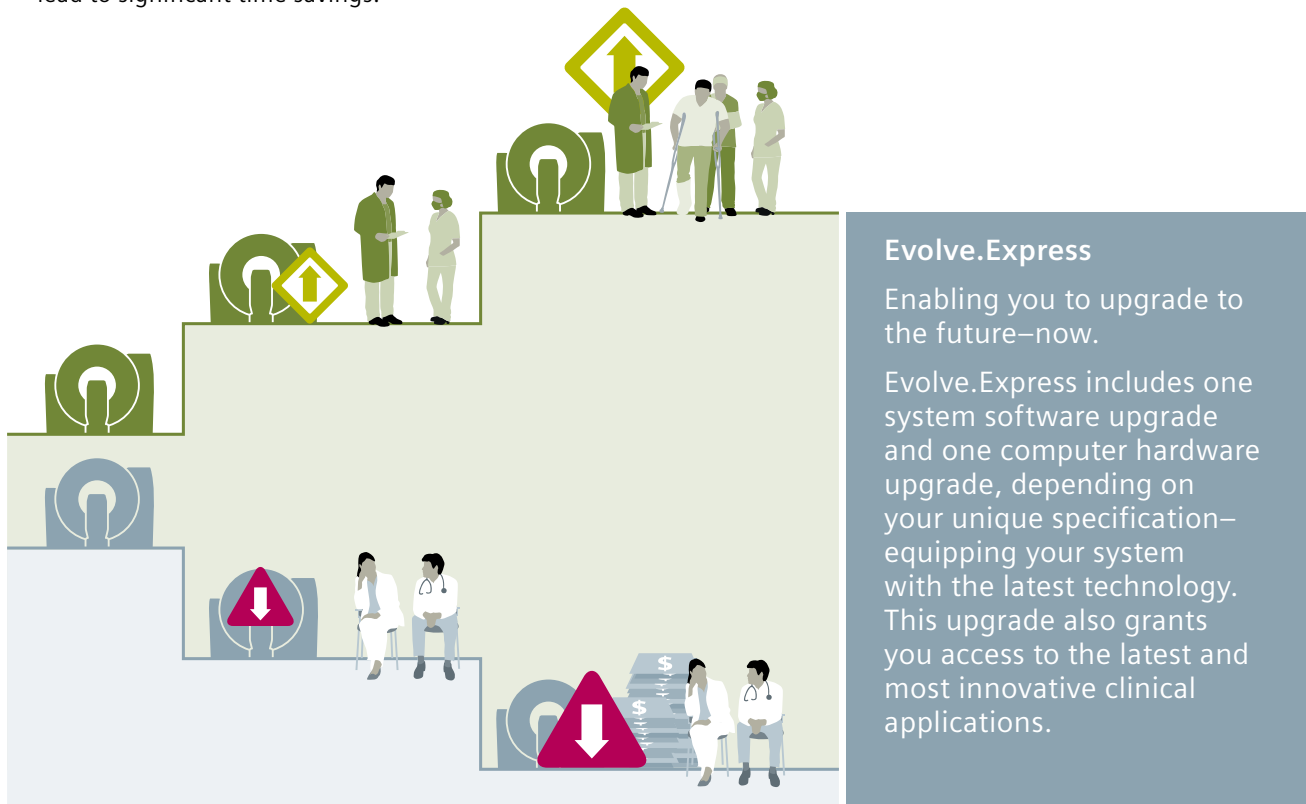
- **Increased protection**
McAfee Embedded Control allows only authorized applications to run on your system.
- **Maximized system utilization**
Remote desktop sharing functionality enables Siemens Remote Assist and new training options.
- **Improved clinical flexibility**
Variable bed time² enables users to enter different acquisition times, improving acquisition statistics for organ-focused protocols.
- **Enhanced import/export tools**
All PET data and CT image data import and export through a single interface.
- **Radiation dose optimization support via:**
 - DICOM Radiation Dose Structured Report (RDSR)
 - Dose Check/Dose ALERT
 - Automatic Exposure Control (CARE Dose)
 - Reference Adult and Pediatric Protocols Factory Protocols



² Available for purchase.

Standard Enhancements

- **McAfee embedded control**
Preventive, smart, protective
McAfee Embedded Control's whitelisting is a new way to solve security threats on embedded systems. It improves security by allowing only authorized applications to run on your system. This prevents worms, viruses, spyware, and other malware that install themselves from executing.
- **CT dose features**
Balanced notification and reporting
PET syngo 6.7 provides new features to strike the right balance between image quality and radiation dose for each patient. These include Dose Notification and Dose Alert as well as detailed radiation information provided by DICOM Structured Dose Reports.
- **Dose reminder**
Check prior to acquisition
Instead of saving protocols with the default injected dose factor, a zero can be used as a value, resulting in a prompt to input the correct dose prior to PET acquisition. The dose reminder window acts as a reminder and check, which can lead to significant time savings.
- **Siemens Remote Application Services**
New interface capabilities
The new remote functionality enables Siemens real-time assist and training capabilities via a secure and encrypted broadband connection.
- **Enhanced import/export tools**
Quick and easy access
Import and export capabilities³ are improved by using the same interface for all PET and CT image data. Data exchange is made easy with just one button to click in the menu. Furthermore, the anonymization tools for patient data export have also been enhanced.
- **Cross-calibration worksheet**
Online, automated, new
In order to improve the convenience and reliability of the calibration procedure, the new Siemens cross-calibration worksheet can be used. This calculation tool for displaying and entering the cross-calibration factor can easily be accessed in the dropdown menu of the main user interface.



³ Available with Service contract.

Hardware Improvements

- **Acquisition Workplace**

Image Control System, also referred to as the “Navigator” or “*syngo* Acquisition Workplace,” is the primary console and user interface for scanning and viewing patients.

- Fujitsu Celsius M720
- 8 GB RAM
- 3 x 300 GB hard drives
- NVIDIA Quadro K2000 Graphic Card
- Integrated DVD-RW

- **High-performance PET Reconstruction System**

The PET post-processing reconstruction computer is responsible for delivering the final PET images. The high performance PRS improves reconstruction performance by enabling greater patient throughput.

- HP z820 workstation, Dual Xeon E5-2630v2 2.6 GHz
- 16 GB RAM
- 500 GB SATA + 1 TB SATA hard drives
- NVIDIA Quadro K600 GFX graphic card
- Integrated DVD-R RW

- **Acquisition Control System**

This is the interface with the PET gantry and used to acquire PET data, forwarding the raw data to the PET reconstruction system for processing.

- HP z820 workstation, Dual Xeon E5-2630v2 2.6 GHz
- 64 GB RAM
- 500 GB SATA + 1 TB SATA hard drives
- Integrated DVD-R RW

- **Advanced Workflow MIWP⁴**

Image Evaluation System, also referred to as the “wizard” or “*syngo* CT workplace,” is a secondary viewing station for viewing and processing patient data.

- Fujitsu Celsius M720
- 4 GB RAM
- 300 GB Hard Drive
- NVIDIA Quadro K4000 Graphic Card
- Integrated DVD-RW

State-of-the-art computers allow your system to meet the constantly growing demand for more speed and better performance, as well as stability of the systems. Upgrade to the latest computers that provide faster performance and larger memory.

New Purchasable Options

- **Variable Bed Time**

The Variable Bed Time option allows the ability to enter different acquisition times per PET bed position for whole-body protocols, enabling improved acquisition statistics for organ-focused protocols. It can increase patient throughput by reducing the acquisition time for PET imaging. A 90-day trial license is available upon request.

- **Open Interface**

The open interface kit can be used to connect the Biograph TruePoint to an external respiratory device for the purpose of monitoring respiratory motion during imaging. This enables you to expand utilization of Biograph TruePoint for radiation therapy planning for lung cancer treatments.

Evolve.Express for Biograph TruePoint systems provides additional opportunities to purchase new imaging applications.

Please contact your local Siemens Sales Representative for more information about the purchasable features.

⁴ Only for customers with existing MIWP.

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