

08 giugno 2012

Rilascio SIMATIC PCS 7 V8.0 + Update 1

Con decorrenza immediata l'Update 1 è incluso in ogni nuova fornitura software di SIMATIC PCS 7 V8.0.

Aggiornamento da SIMATIC PCS 7 V8.0 a V8.0+Update 1

E' possibile aggiornare il software SIMATIC PCS 7 da V8.0 a V8.0+Update 1 attraverso il SIMATIC PCS 7 Software Media Package V8.0 Update 1 (comprensivo di software e privo di licenze):

SIMATIC PCS 7 Software Media Package V8.0 Update 1 (EU), Codice ordinazione:
6ES7658-4XX08-0YT8

Scopo di fornitura:

1 x SIMATIC PCS 7 Software DVD V8.0 incl. Update 1, codice: S79220-B3929-E000-01

1 x Product Information SIMATIC PCS 7 V8.0 incl. Update 1 codice: A5E03862507-01

SIMATIC PCS 7 Software Media Package ASIA V8.0 Update 1, Codice ordinazione:
6ES7658-4XX08-0CT8

Scopo di fornitura:

1 x SIMATIC PCS 7 Software DVD V8.0 incl. Update 1 (Chinese simplified), codice:
S79220-B3516-E000-01

1 x Product Information SIMATIC PCS 7 V8.0 incl. Update 1 ASIA codice: A5E03862508-01

I clienti PCS 7 che hanno optato per il SUS (Software Update Service) riceveranno automaticamente il "SIMATIC PCS 7 Software Media Package V8.0 Update 1".

In caso di eventuale necessità di "SIMATIC PCS 7 Software Media Packages V8.0 Update 1" addizionali, essi vanno acquistati utilizzando i codici di ordinazione sopra descritti.

Queste sono le più importanti novità introdotte a seguito del rilascio dell' Update 1 per PCS 7 V8.0:

- I PC industriali per SIMATIC PCS 7 IPC647C, IPC847C e IPC547D verranno forniti preinstallati con SIMATIC PCS 7 V8.0 Update 1.

- I PCS 7 OS Clients basati su Microbox IPC427C sono stati rilasciati.

- Le CPU H V6.0 sono state rilasciate per i sistemi di automazione fault-tolerant (H) e failsafe (F/FH) e sono inserite nei PCS 7 AS Bundles.

CPU 412-5H, 1-MByte work memory (512 KByte for program and 512 KByte for data)

CPU 414-5H, 4-MByte work memory (2 MByte for program and 2 MByte for data)

CPU 416-5H, 16-MByte work memory (6 MByte for program and 10 MByte for data)

CPU 417-5H, 32-MByte work memory (16 MByte for program and 16 MByte for data)

- Le nuove CPU V6.0 CPUs sono inserite nei bundles AS PCS 7.

- Introduzione di PROFINET con SIMATIC PCS 7 V8.0 Update 1.

- SIMATIC PDM V8.0 e SIMATIC PDM V8.0+SP1 possono essere usati con SIMATIC PCS 7 V8.0 Update 1. Attraverso l'impiego di SIMATIC PDM V8.0+SP1 è possibile l'integrazione di con FOUNDATION Fieldbus.

[Ritorno all'Indice](#)

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Desigo V5: Innovations from Siemens increase building efficiency

The Siemens Building Technologies Division has introduced version 5 of its Desigo building automation system. Its innovative products such as Total Room Automation as well as efficiency features, like RoomOptiControl and Eco Monitoring, give building operators and users an active role in energy management, leading to permanent reductions in energy and maintenance costs. A state-of-the-art building automation system is always optimized for energy-efficient operation. However, these optimized settings may start to drift over time. One of the underlying causes is often a lack of transparency for users who simply don't know how the setpoint changes they make can impact energy consumption. This is particularly true for air-conditioned rooms which are also equipped with lighting and sun protection controls. The new version of Desigo keeps room users and building operators apprised of the building's efficiency status. Feedback to users is given using the innovative Green Leaf display, adapted to the expertise and control options of each user group. The system makes it possible to change settings if needed to restore optimal energy efficiency. A study by Technische Universität München (TUM) indicates that by actively involving operators and users in the energy management of a building, energy consumption can be reduced by up to 25% without affecting comfort.

Total Room Automation offers energy savings without reducing comfort

The open, programmable room automation range Desigo Total Room Automation (TRA) is a holistic solution encompassing the HVAC, lighting and shading disciplines. Desigo TRA uses an innovative efficiency feature called RoomOptiControl. It automatically detects unnecessary energy consumption in the room and notifies users by changing the color of the Green Leaf icon on the QMX3 room control unit: If room operations are energy efficient, this icon is green. If settings made by a room user lead to unnecessary energy consumption, the icon turns red. To reset room control to energy efficient operation, the user simply presses the display and the Green Leaf icon returns to green.

Using BACnet/IP, PXC3 room automation stations—also part of the TRA package—are integrated seamlessly into the PX automation level with its primary systems (heating generators, HVAC main units and cooling generators). The primary systems are controlled directly through the demand signals from the rooms. This means that the primary systems are only turned on if needed and their operation is adjusted so it meets the room requirements without exceeding them. One room automation station can cover multiple rooms. TRA offers complete integration of KNX, DALI and EnOcean devices; existing or new sensors and actuators from Siemens can be incorporated as well.

Eco Monitoring to reduce energy consumption and wear

Eco Monitoring is another innovative efficiency feature of Desigo. It monitors ongoing operations of HVAC systems based on energy-related quality condition indicators such as readings from temperature, humidity and pressure sensors, runtime, switching behavior and operational performance of the systems. Should deviations from the target state, inefficient operations or increased energy consumption occur, the building operator is notified via the Green Leaf display on the Desigo Insight management station. Current and future international standards (such as

EN 15323:2007) require such a feature in order to optimize building operations over the long term.

Desigo Eco Monitoring not only helps optimize energy consumption, it also reduces wear. Thanks to its dynamic behavior and timely reporting, the Eco Monitoring feature recognizes unfavorable system operations early on, allowing operators to intervene immediately before any negative impact occurs. If desired, operators can choose to be notified of unusual events via text messaging (SMS), fax or e-mail.

Expanded networking of the automation level

Starting with version 5, Desigo also offers expanded end-to-end networking of the automation level. Enhanced support for communications standards ensures efficient system integration. The PXC series of compact automation stations has a higher number of universal inputs/outputs, which makes them much more flexible. To protect existing investments, different device generations, such as PTM and TX I/O modules and RXC room controllers, can be used in parallel on the same PX automation station.