



Siemens LOGO! 6 to LOGO! 8 Product Migration Guide



Siemens have announced that their LOGO! 6 Logic Controllers are being phased out and recommend their new LOGO! 8 range as a suitable replacement. What does this upgrade mean for current LOGO! 6 users?

LOGO! 8: Highlights at a glance!

Eight basic modules with Ethernet connection, improved hardware with double the space on the new display, user-friendly software, integrated Web server and an additional GSM/GPS module – the new LOGO! 8 system features numerous improvements.

LOGO! 8 modules ➔ Soft Comfort software ➔ GSM/GPS Module ➔



| Features of the LOGO! 8 | Benefits | How does this compare? |
|--|--|--|
| 8 basic modules with Ethernet connection for Optional Ethernet CMS 12/24 switch click here | Communication with S7 systems No special LOGO! cable needed, saves money Easier programming via Ethernet connection | 8 modules but no communication |
| 400 function blocks | Enhanced programme memory | 200 function blocks |
| Additional GSM/GPS communication module click here | Allows communication via text messages and time synchronisation – users can alarm or control remotely via SMS and GPS (position detection and time synchronisation without SIM card) | Remote control and alarming done via external device, no time synchronisation |
| Integrated Web Server in all base modules | Cost effective remote user control and monitoring, no html knowledge needed | Functionality not available |
| Innovative LOGO! Soft Comfort macro function - Soft Comfort software | Create your own macro blocks and organize them in libraries. Makes repeating programme creation tasks more user-friendly | Macro block functionality not available |
| Enhanced display: increased contrast and selectable backlight colours, now with 6 lines with 16 characters each (double the characters per page) | Message texts can be seen more clearly and there are more diagnostic options via the display | 4 lines with 12 characters per line. Backlight switchable, but only one colour |
| Data logging | Process values can be stored in internal memory or on micro SD card | Not available |
| Touch panel connectable as operator interface | Modern operator interface possible with graphical options | Not available |
| Since version FS:04 extended temperature range -20 to + 55°C Modbus TCP/IP as client and server Time synchronisation via NTP client and server Data transfer to PC in run via LOGO! Access tool | Outdoor use Communication to third party devices All LOGO! Modules in a system have the correct time Process data can be analysed in Excel in RUN mode | Not available |



FAQ's

Here's what to consider when migrating from LOGO! 6 to LOGO! 8

- Q** Can I use my LOGO! 6 programmes with LOGO! 8 controllers?
- A** You can still use your LOGO! 6 programmes on LOGO! 8. The Comfort V8.1 software supports this transition in just a few steps. [Click here to see how it is done](#) ➔
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- Q** Can I fit LOGO! 8 in the same space as my LOGO! 6 PLC?
- A** ALL LOGO! 8 modules are the same size as LOGO! 6 modules. Retro-fit is simple. KNX module is twice the size (4 MW). AS-I connection no longer possible
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- Q** How do I communicate with other Siemens devices?
- A** Ethernet ports allow you to communicate with up to 8 other LOGO! devices, including SIMATIC S7 or HMI panels via Ethernet TCP/IP
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- Q** How many logic controllers can I connect with?
- A** The ethernet interface allows to hold 8 static communication links with up to 8 logic controllers in a network, plus one link to PC/PG + one LOGO! TDE
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- Q** Do I need to know programming language?
- A** You will need to build up experience programming with LOGO! Soft Comfort V8.1. This is programming by simple "drag and drop", so you don't need to know other programming language or html. The interface is highly intuitive and user-friendly.
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- Q** How many Ethernet interfaces are included?
- A** LOGO! 8 features 1 ethernet interface, allowing for easier programming and greater distances between the display LOGO! TDE and the LOGO!
The TDE offers 2 Ethernet interfaces
The TDE offers 2.5 times more characters than the TD for LOGO! 6



ATTENTION: When moving over to the new range, there are some critical things you will need to be aware of:



- If you wish to migrate from LOGO! 0BA6 to LOGO! 8, you have to change the complete configuration. Older models are not connectable to LOGO! 8. [Click here to see relevant modules](#) ➔
- Both generations are available with supply voltage of 12 V DC or 24 AC/DC or 110 to 230V AC/DC
- Emission of radio interference according to EN 55 011: limit class B for use in residential areas
- For use in ambient temperatures: Min: -20°C
Max: 55°C
- Mounting: 35mm DIN rail or wall mounting
- LOGO! 8 no longer offers AS-I connectivity

ADDITIONAL RESOURCES:

Watch the LOGO! 8 video for the full list of benefits



Use the free Web based training for LOGO! 8



Discover even more benefits of the LOGO! 8 range*



See our full range of Siemens LOGO! 8 Logic Modules



Find the device you need: full cross-reference list - LOGO! 6 to LOGO! 8*



Migrate your programmes to LOGO! 8*



Watch the LOGO! movies on YouTube to get more hints



* Please login to DesignSpark to access resources