

SIEMENS

Simply ingenious for small automation tasks

LOGO!

Logic module

[siemens.com/logo](https://www.siemens.com/logo)

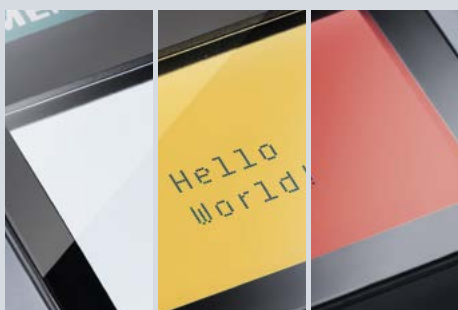
LOGO! 8 – Small is beautiful

LOGO! 8 is the first of a new generation of successful Siemens logic modules. It fulfills numerous customer requests for easier handling, featuring a large display and full communication options via Ethernet. The web server application has also been simplified. Remote communication via the cellular wireless network rounds off the offer, enhancing the potential range of applications using LOGO!



The new generation of logic modules

- Eight basic units for all voltages, with or without display
- All units come with an Ethernet interface, but are still slim like LOGO! 6 (4 WM) and connections are, of course, compatible with previous versions
- Integrated web server in all basic units
- Display features a new look and feel
- Seven digital modules and three analog modules
- Number of digital outputs increased to 20 and analog outputs to eight



Display with a new look and feel

- A new six-line display with 16 characters per line means twice as many characters per message, making it possible to clearly formulate texts
- Display with clear operator information and fewer abbreviations for more legible message texts and status information, easy-to-understand input options and more sophisticated diagnostic options via the display
- Choice of white, orange, and red backlighting for many new options, such as the highlighting of alarm statuses, for example



Ethernet for everybody and everything – new standard with LOGO! 8

- Integrated Ethernet interface for the entire LOGO! 8 product family. This makes it possible for LOGO! modules to communicate with each other and with all SIMATIC S7 systems via Ethernet
- The Ethernet interface eliminates the need for additional cables for programming or for the TDE; only the standard Ethernet cable is required
- With the LOGO! CSM add-on module as an Ethernet 4-port switch expanding the Ethernet interfaces, small local Ethernet networks can also be implemented in a cost-effective manner



Integrated web server – it couldn't be easier

- Integrated web server in all basic units for monitoring and control with LOGO! via WLAN and the Internet; password-protected and suitable for all conventional browsers
- The web server is easy to configure via mouse click in the software – absolutely no HTML programming knowledge required
- Users can select the desired display options to match the LOGO! display or the TDE display. Check a box for the web server – done! LOGO! 8 is able to be operated via smartphone, tablet, or PC with the same look and feel as the LOGO! 8 or TDE display; LOGO! 8 router connection required

Ordering data

Designation	Description	DI ¹⁾	DQ ²⁾	AI ³⁾	Outputs	Article No.
LOGO! 8 basic units						
LOGO! 8 Basic with 6-line LCD display and cursor keys, Ethernet interface						
LOGO! 24 CE	24 V DC	8, of which 4 can be used as AI (0...10 V)	4	Up to 4 (0...10 V)	0.3 A transistor	6ED1052-1CC01-0BA8
LOGO! 12/24 RCE	12...24 V DC	8, of which 4 can be used as AI (0...10 V)	4	Up to 4 (0...10 V)	10 A relay	6ED1052-1MD00-0BA8
LOGO! 24 RCE	24 V AC/DC	8	4	–	10 A relay	6ED1052-1HB00-0BA8
LOGO! 230 RCE	115...230 V AC/DC	8	4	–	10 A relay	6ED1052-1FB00-0BA8



Ordering data

Designation	Description	DI ¹⁾	DQ ²⁾	AI ³⁾	Outputs	Article No.
LOGO! 8 basic units						
LOGO! 8 Pure without LCD display and without cursor keys, Ethernet interface						
LOGO! 24 CEo	24 V DC	8, of which 4 can be used as AI (0...10 V)	4	Up to 4 (0...10 V)	0.3 A transistor	6ED1052-2CC01-0BA8
LOGO! 12/24 RCEo	12...24 V DC	8, of which 4 can be used as AI (0...10 V)	4	Up to 4 (0...10 V)	10 A relay	6ED1052-2MD00-0BA8
LOGO! 24 RCEo	24 V AC/DC	8	4	–	10 A relay	6ED1052-2HB00-0BA8
LOGO! 230 RCEo	115...230 V AC/DC	8	4	–	10 A relay	6ED1052-2FB00-0BA8

Ordering data

Designation	Description Power supply	DI ¹⁾	DQ ²⁾	AI ³⁾	Outputs	Article No.
LOGO! 8 expansion modules						
Digital I/O expansion modules						
LOGO! DM8 24, Transistor DA	24 V DC	4	4	–	0.3 A	6ED1055-1CB00-0BA2
LOGO! DM8 12/24 R	12...24 V DC	4	4	–	5 A relay	6ED1055-1MB00-0BA2
LOGO! DM8 24 R	24 V AC/DC	4	4	–	5 A relay	6ED1055-1HB00-0BA2
LOGO! DM8 230 R	115...230 V AC/DC	4	4	–	5 A relay	6ED1055-1FB00-0BA2
LOGO! DM16 24, Transistor DA	24 V DC	8	8	–	0.3 A	6ED1055-1CB10-0BA2
LOGO! DM16 24 R	24 V DC	8	8	–	5 A relay	6ED1055-1NB10-0BA2
LOGO! DM16 230 R	115...230 V AC/DC	8	8	–	5 A relay	6ED1055-1FB10-0BA2

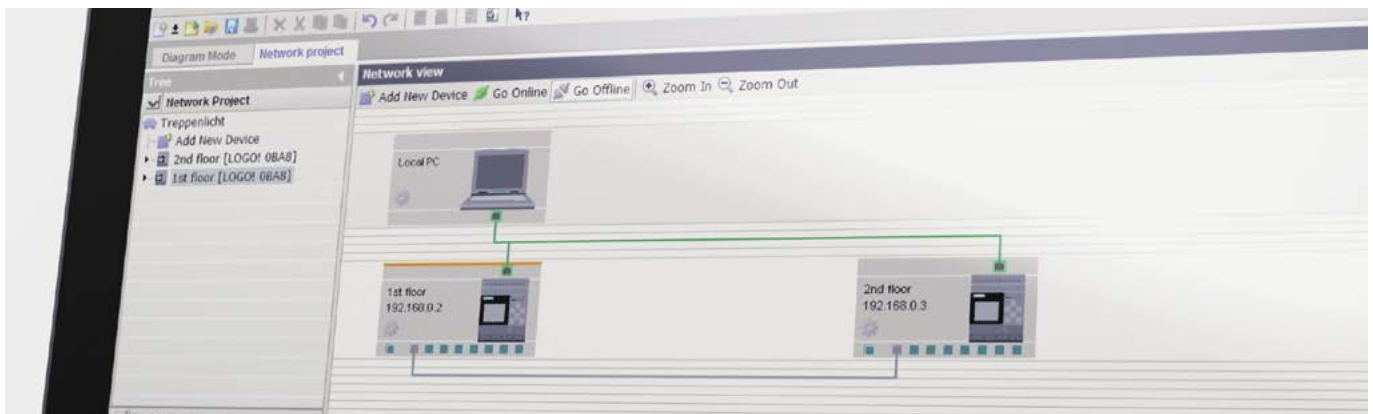


Ordering data

Designation	Description Power supply	DI ¹⁾	DQ ²⁾	AI ³⁾	Outputs	Article No.
LOGO! 8 expansion modules						
Analog expansion modules						
LOGO! AM2 0...10 V or 0/4...20 mA	12...24 V DC	10-bit resolution	–	2	–	6ED1055-1MA00-0BA2
LOGO! AM2 RTD –50...200 °C, 2/3-wire (Pt100/1000)	12...24 V DC	0.25 °C resolution	–	2	–	6ED1055-1MD00-0BA2
LOGO! AM2 AQ with 2 AQ ⁴⁾	24 V DC	10-bit resolution	–	–	0...10 V DC / 0/4...20 mA	6ED1055-1MM00-0BA2
Communication and networking						
LOGO! CMK2000	Communication module for building automation with KNX					6BK1700-0BA20-0AA0
LOGO! CSM12/24	12...24 V DC	4x RJ45 Port Ethernet Switches				6GK7177-1MA20-0AA0
LOGO! CMR2020	Communication module for connecting to GSM/GPRS ⁵⁾					6GK7142-7BX00-0AX0
LOGO! CMR2040	Communication module for connecting to GSM/GPRS/UMTS/LTE5 ⁵⁾					6GK7142-7EX00-0AX0
Antennas						
GPS antenna ANT895-6ML	with N connect female connector for reception of GPS data on the LOGO! CMR					6GK5895-6ML00-0AA0
Flexible connecting cable	with N connect/SMA male for linking GPS antenna and LOGO! CMR					6XV1875-5LH50
GPRS/LTE antenna	Rod antenna with 5 m flexible connecting lead SMA male for establishing a mobile connection via the LOGO! CMR					6NH9860-1AA00

Ordering data

Designation	Description	Article No.
LOGO! 8 Software		
LOGO! Soft Comfort V8	for Windows 8, 7, XP, Linux and Mac OS X; on DVD, backward compatible	6ED1058-0BA08-0YA1
LOGO! Soft Comfort V8 Upgrade	Upgrade to LOGO! Soft Comfort V8, on DVD	6ED1058-0CA08-0YE1
LOGO! 8 Text Display HMI		
LOGO! TDE Text Display		6ED1055-4MH00-0BA1



Ordering data

Designation	Description	Article No.
LOGO! 8 Power Supplies		
LOGO! Power	for converting the line voltage of 85/240 V AC / 110...300 V DC to operating voltages of 12 V DC and 24 V DC	
LOGO! Power 24 V / 1.3 A	54 mm wide	6EP1331-1SH03
LOGO! Power 24 V / 2.5 A	72 mm wide	6EP1332-1SH43
LOGO! Power 24 V / 4 A	90 mm wide	6EP1332-1SH52
LOGO! Power 12 V / 1.9 A	54 mm wide	6EP1321-1SH03
LOGO! Power 12 V / 4.5 A	72 mm wide	6EP1322-1SH03

Ordering data

Designation	Description	Article No.
LOGO! 8 Starter Kits		
	In Tanos Box with: LOGO! 8, LOGO! Soft Comfort V8, WinCC Basic V13, Ethernet cable	
LOGO! 8 12/24 V Starter Kit	LOGO! 12/24 RCE, LOGO! Power 24 V, 1.3 A	6ED1057-3BA00-0AA8
LOGO! 8 230 V Starter Kit	LOGO! 230 RCE	6ED1057-3BA02-0AA8
LOGO! 8 TDE Starter Kit	LOGO! 12/24 RCEo, LOGO! Power 24 V, 1.3 A, LOGO! TDE	6ED1057-3BA10-0AA8
LOGO! 8 12/24 V + KP300 Basic Starter Kit	LOGO! 12/24 RCE, LOGO! Power 24 V, 1.3 A, SIMATIC HMI KP300 Basic mono PN	6AV2132-0HA00-0AA1
LOGO! 8 12/24 V + KTP400 Basic Starter Kit	LOGO! 12/24 RCE, LOGO! Power 24 V, 1.3 A, SIMATIC HMI KTP400 Basic	6AV2132-0KA00-0AA1
LOGO! 8 12/24 V + KTP700 Basic Starter Kit	LOGO! 12/24 RCE, LOGO! Power 24 V, 1.3 A, SIMATIC HMI KTP700 Basic	6AV2132-3GB00-0AA1



Stephan Libera, member of Volunteer Fire Department in Hanover, Germany, and LOGO! fan

Stephan Libera relies on LOGO! 8 for light control during simulated training situations in the fire exercise facility of the Hanover Fire Department.



Daniel Miehling, homeowner and LOGO! fan

Daniel Miehling relies on LOGO! 8 for convenience and safety in the home, from the automatic control of blinds and lights to presence simulation.

And now it's even better. In addition to the familiar, easy operation in single mode, LOGO! Soft Comfort V8 now has a brand-new feature – simple operation in network mode. Automatic configuration of communication displayed in the network view, the ability to open as many as three programs at once, and the use of drag & drop to easily transfer signals from one program to another – these are just a few of the many new, user-friendly options.

Remote communication via the cellular wireless network

- Text message communication for alerts and remote control via cell phone using the LOGO! CMR module
- Text messaging for active automatic alerts regarding system states
- Position recognition and tracking via GPS, can be used for cost-effective container tracking and position reporting via text message to a control center
- CMR can exchange data with LOGO! 8, send text messages independently, read control commands from text messages, introduce them to LOGO! 8, and even synchronize to local time worldwide



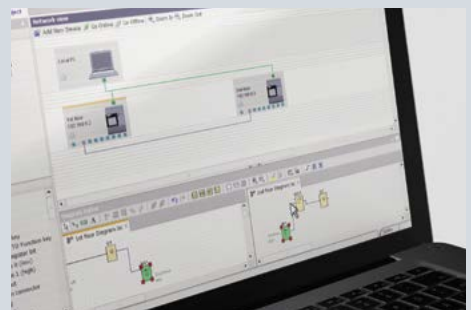
Text display

- New LOGO! TDE with two Ethernet interfaces
- Same mounting dimensions as before
- Thanks to the Ethernet connection, there is no longer a 10 m limitation of the distance to LOGO!
- Improved display with six lines and 20 characters per line means more than twice as many characters as before are now available for messages in plaintext
- As with the LOGO! display, the new TDE offers selectable white, orange, and red backlighting for optical highlighting, etc.



Software in a new design

- Familiar, easy operation in single mode and incredibly simple configuration in network mode
- Intuitive program creation and configuration of the many features, quick and easy interconnection by mouse click
- Automatic configuration of communication and display in network view
- Up to three programs can be displayed side-by-side; drag and drop can be used to easily drag signals from one program to another
- Smooth migration of programs from previous versions



The new module for building automation with KNX

- With the new LOGO! CMK 2000 communication module, the LOGO! 8 can be implemented as an intelligent controller in the KNX system
- LOGO! is easy to connect to CMK 2000 via Ethernet, which means the complete LOGO! hardware configuration can be used for KNX
- Up to 50 communication objects can be configured via KNX, independent of the input and output points – meaning more flexibility for your project
- Autonomous processing of user programs, independent of KNX, evaluation of KNX and industrial sensors and control of KNX actuators
- Time and date synchronization as master or slave in networked systems

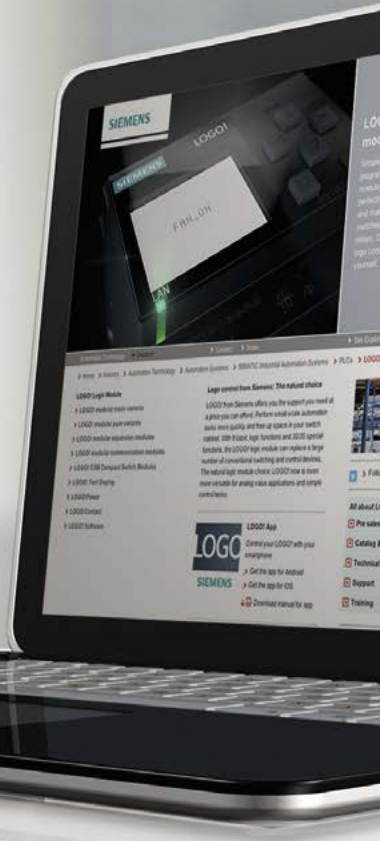


Find out more:
siemens.com/logo

Discover LOGO! 8

- LOGO! product portfolio
- LOGO! references
- LOGO! app
- GO! customer magazine
- LOGO! 8 Web-based training
- LOGO! 8 demo software

LOGO! 8 –
at a glance!



Subject to change without prior notice
Article No. DFFA-B10079-00-7600
Dispo 06307
75618 WS 111510.
Printed in Germany
© Siemens AG 2015

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.

Follow us on:
twitter.com/siemensindustry
youtube.com/siemens

Siemens AG
Digital Factory
P.O. Box 48 48
90026 Nuremberg
Germany