SIEMENS

Ingenuity for life

Engineered with LOGO! Soft Comfort

Simply ingenious for small automation tasks

Logic module LOGO!

siemens.com/logo

LOGO! 8 – Small is beautiful

Simple installation, minimum wiring, user-friendly programming: You can easily implement small automation projects with LOGO!, the intelligent logic module from Siemens. The LOGO! logic module saves space in the control cabinet, and lets you easily implement functions, such as time-delay switch, time relay, counter and auxiliary relay.

The LOGO! Soft Comfort V8.2 engineering software offers not only familiar operation in single mode but also easy 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 user-friendly options.

The web server can be configured by the user to enable control of automation components via mobile devices.

The latest generation of logic modules

- Eight basic units for all voltages, with or without a large display
- All devices are equipped with an Ethernet port and connections are, of course, compatible with previous versions
- Seven digital modules and three analog modules
- Maximum configuration: 24 digital inputs, 20 digital outputs, 8 analog inputs and 8 analog outputs
- The temperature range has been extended to between –20 °C and +55 °C for LOGO! basic units as of product version FS:04 and for expansion modules as of product version FS:03
- Time synchronization between LOGO! basic units (version FS:04 and higher)
- LOGO! 8 as SIPLUS extreme for use in especially harsh conditions, e.g. extreme temperature ranges, 100% relative humidity including condensation and frost. Conformal coating for protection against chemically, biologically and mechanically active substances as well as salt spray

Convenient display

- A six-line display with 16 characters per line allows message texts to be clearly formulated
- Choice of white, orange, and red backlighting for many options, such as the highlighting of alarm statuses, for example

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

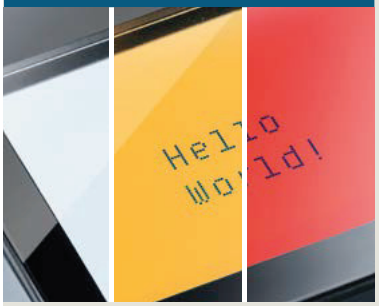
- Integrated Ethernet interface for the entire LOGO! 8 product family. This makes it possible for LOGO! modules to communicate with each other and with all SIMATIC S7 systems via Ethernet
- Modbus TCP/IP is an additional communication protocol for LOGO! 8 (version FS:04 and higher). This enables LOGO! to act as either a client or a server
- 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
- Time synchronization via NTP – now also between LOGO! basic modules (version FS:04 and higher)

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. Choice of same look and feel as LOGO! or 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
- New: Self-configured display with the option of designing web pages for mobile devices using your own pictures and icons. Software for creating web pages does not require HTML knowledge. Data stored on a micro SD card in LOGO!. Projects can be further processed in HTML

Remote communication via the cellular wireless network

- With the LOGO! CMR, a cell phone or tablet can receive status data and alarms from the LOGO! station via text message or email
- The user can configure text messages as plaintext (e.g. FAN_ON)
- Secure remote access via https or Open VPN in the mobile network allows configuration changes and diagnostics both on the web server of the LOGO! CMR and on LOGO! 8. The program can be uploaded and downloaded to and from LOGO! 8
- Position detection via GPS can be used, e.g. for cost-effective container tracking. The position is reported to the LOGO! basic module or passed on to a central office by text message or email
- Via LOGO! CMR, the clock time of the LOGO! 8 can be synchronized with an accessible NTP server, a GPS or a mobile wireless signal

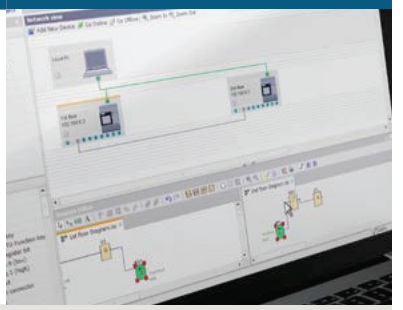


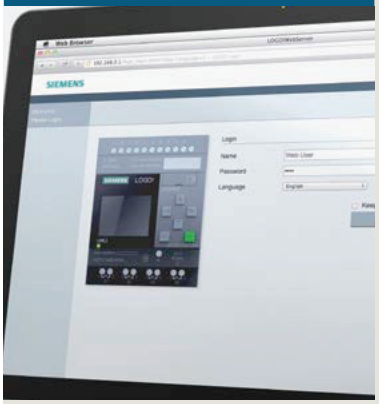
Text display

- LOGO! TDE with two Ethernet interfaces
- The Ethernet connection can bridge a distance of over ten meters between LOGO! TDE and LOGO! 8
- Large display with six lines and 20 characters per line for informative messages in plaintext
- As with the LOGO! display, the TDE offers selectable white, orange, and red backlighting for optical highlighting

Software quite simple – LOGO! Soft Comfort

- Familiar, easy operation in single mode and incredibly simple configuration in network mode
- 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
- LOGO! Access Tool for direct transfer of process values into an Excel table during operation
- LOGO! Web Editor (LWE) for the design of application specific webpages (without HTML knowledge)



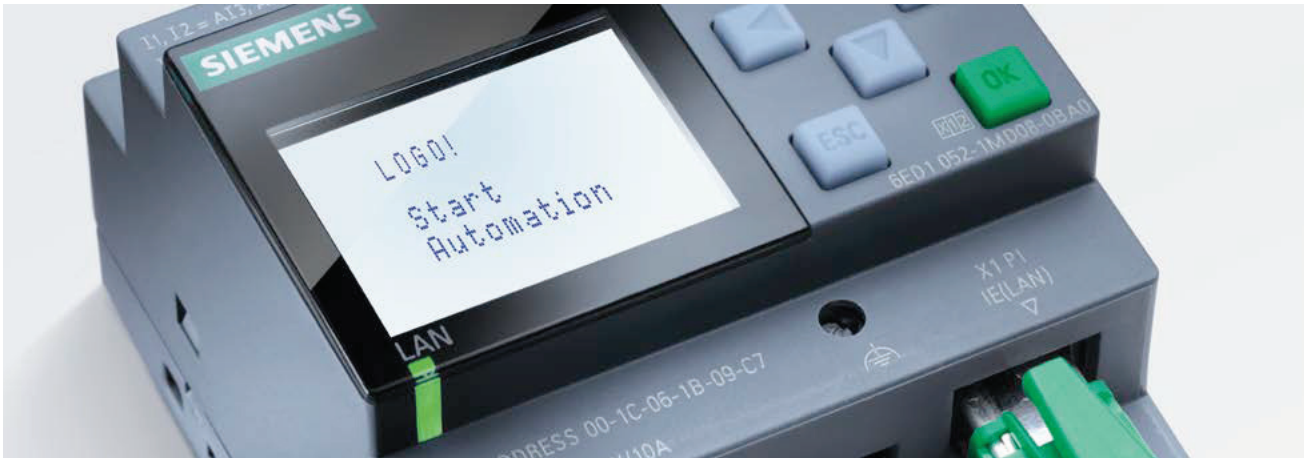


The new module for building automation with KNX

- With the LOGO! CMK2000 communication module, the LOGO! 8 can be implemented as an intelligent controller in the KNX system
- LOGO! is easy to connect to CMK2000 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

Ordering data

Designation	Description Power supply	Digital inputs	Digital outputs	Analog inputs	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	**6ED1052-1CC08-0BA0**
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	**6ED1052-1MD08-0BA0**
LOGO! 24 RCE	24 V AC/DC	8	4	–	10 A relay	**6ED1052-1HB08-0BA0**
LOGO! 230 RCE	115...230 V AC/DC	8	4	–	10 A relay	**6ED1052-1FB08-0BA0**



Ordering data

Designation	Description Power supply	Digital inputs	Digital outputs	Analog inputs	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	**6ED1052-2CC08-0BA0**
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	**6ED1052-2MD08-0BA0**
LOGO! 24 RCEo	24 V AC/DC	8	4	–	10 A relay	**6ED1052-2HB08-0BA0**
LOGO! 230 RCEo	115...230 V AC/DC	8	4	–	10 A relay	**6ED1052-2FB08-0BA0**

Ordering data

	Operating range	SIPLUS Article No.	Based on Article No.
LOGO! 8 SIPLUS basic devices			
SIPLUS LOGO! 24 CE	–20...+60 °C Start-up temperature 0 °C with conformal coating	**6AG1052-1CC01-7BA8**	**6ED1052-1CC01-0BA8**
SIPLUS LOGO! 12/24 RCE		**6AG1052-1MD00-7BA8**	**6ED1052-1MD00-0BA8**
SIPLUS LOGO! 24 RCE		**6AG1052-1HB00-7BA8**	**6ED1052-1HB00-0BA8**
SIPLUS LOGO! 230 RCE		**6AG1052-1FB00-7BA8**	**6ED1052-1FB00-0BA8**

Ordering data

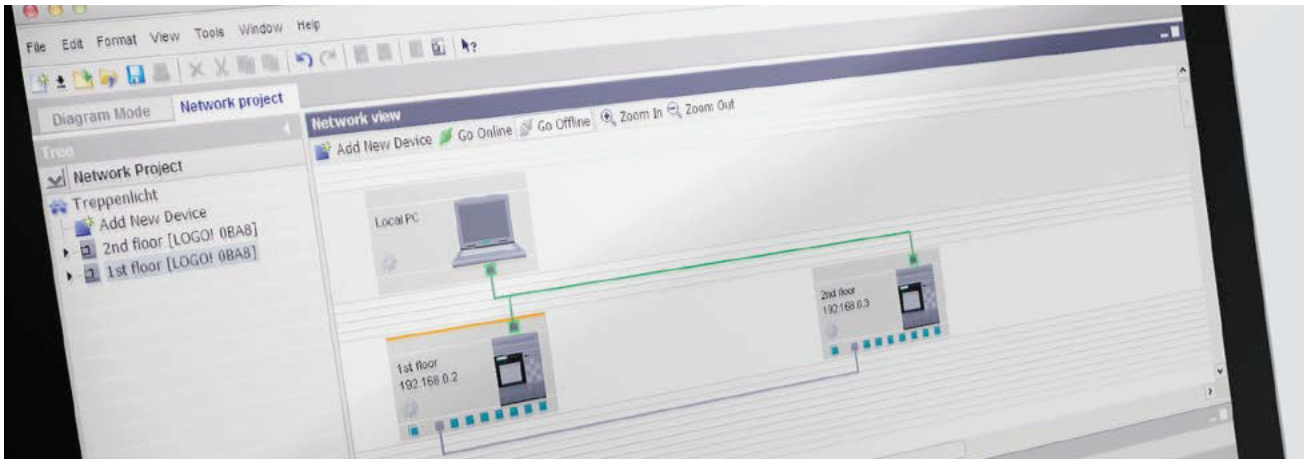
Designation	Description Power supply	Digital inputs	Digital outputs	Analog inputs	Outputs	Article No.
LOGO! 8 expansion modules						
Digital I/O expansion modules						
LOGO! DM8 24, Transistor DA	24 V DC	4	4	–	0.3 A	**6ED1055-1CB00-0BA2**[1)]
LOGO! DM8 12/24 R	12...24 V DC	4	4	–	5 A relay	**6ED1055-1MB00-0BA2**[1)]
LOGO! DM8 24 R	24 V AC/DC	4	4	–	5 A relay	**6ED1055-1HB00-0BA2**[1)]
LOGO! DM8 230 R	115...230 V AC/DC	4	4	–	5 A relay	**6ED1055-1FB00-0BA2**[1)]
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**[1)]
LOGO! DM16 230 R	115...230 V AC/DC	8	8	–	5 A relay	**6ED1055-1FB10-0BA2**

Ordering data

Designation	Description Power supply	Digital inputs	Digital outputs	Analog inputs	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**[1)]
LOGO! AM2 RTD –50...200 °C, 2/3 wire (Pt100/1000)	12...24 V DC	0.25 °C resolution	–	2	–	**6ED1055-1MD00-0BA2**[1)]
LOGO! AM2 AQ with 2 analog outputs	24 V DC	10-bit resolution	–	–	0...10 V DC / 0/4...20 mA	**6ED1055-1MM00-0BA2**[1)]
Communication and networking						
LOGO! CSM12/24	12...24 V DC		4x RJ45 Port Ethernet Switches			**6GK7177-1MA20-0AA0**
LOGO! CMR2020	Communication module for connecting to GSM/GPRS[2)]					**6GK7142-7BX00-0AX0**
LOGO! CMR2040	Communication module for connecting to GSM/GPRS/UMTS/LTE[2)]					**6GK7142-7EX00-0AX0**
LOGO! CMK2000	Communication module for building automation with KNX					**6BK1700-0BA20-0AA0**
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 ANT794-4MR	Rod antenna with 5 m flexible connecting lead SMA male for establishing a mobile connection via the LOGO! CMR					**6NH9860-1AA00**

[1)] Also available as SIPLUS extreme version, [2)] Country approvals: www.siemens.com/mobilenetwork-approvals

Ordering data		
Designation	**Description**	**Article No.**
LOGO! 8 Software		
LOGO! Soft Comfort V8.2	for Windows 10, 8, 7, XP, Linux and Mac OS X; on DVD, backward compatible, including LOGO! Web Editor	**6ED1058-0BA08-0YA1**
LOGO! 8 Text Display HMI		
LOGO! TDE Text Display		**6ED1055-4MH08-0BA0**[1)]



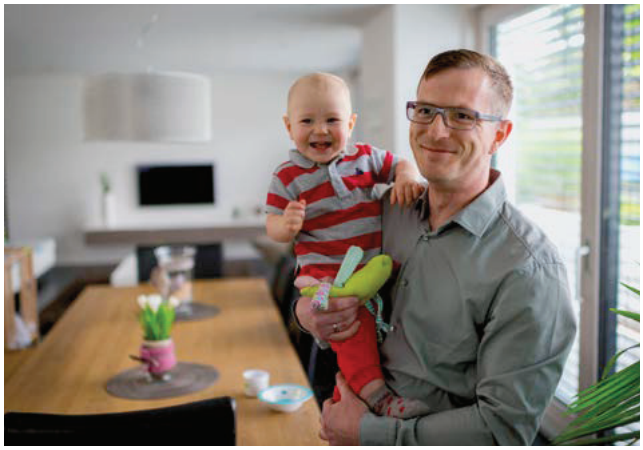
Ordering data		
Designation	**Description**	**Article No.**
LOGO! 8 Power Supplies		
LOGO!Power	for converting the line voltage of 85...264 V AC / 110...300 V DC for converting the line voltage of 12 V DC or 24 V DC	
LOGO!Power 12 V / 0.9 A	18 mm wide	**6EP3320-6SB00-0AY0**
LOGO!Power 12 V / 1.9 A	36 mm wide	**6EP3321-6SB00-0AY0**
LOGO!Power 12 V / 4.5 A	54 mm wide	**6EP3322-6SB00-0AY0**
LOGO!Power 24 V / 0.6 A	18 mm wide	**6EP3330-6SB00-0AY0**
LOGO!Power 24 V / 1.3 A	36 mm wide	**6EP3331-6SB00-0AY0**
LOGO!Power 24 V / 2.5 A	54 mm wide	**6EP3332-6SB00-0AY0**
LOGO!Power 24 V / 4.0 A	72 mm wide	**6EP3333-6SB00-0AY0**

Ordering data

Designation	Description	Article No.
LOGO! 8 Starter Kits		
	In Tanos Box with: LOGO! 8, LOGO! Soft Comfort V8, WinCC Basic, Ethernet cable	
LOGO! 8 12/24 V Starter Kit	LOGO! 12/24 RCE, LOGO!Power 24 V, 1.3 A	**6ED1057-3BA01-0AA8**
LOGO! 8 230 V Starter Kit	LOGO! 230 RCE	**6ED1057-3BA03-0AA8**
LOGO! 8 TDE Starter Kit	LOGO! 12/24 RCEo, LOGO!Power 24 V, 1.3 A, LOGO! TDE	**6ED1057-3BA11-0AA8**
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**

Heribert Heitmeier, trout farmer from Paderborn / North-Rhine Westphalia, Germany, and LOGO! fan

Heribert Heitmeier counts on LOGO! to monitor the oxygen content of his fish ponds and water aerator and control the automatic feeding equipment.



Daniel Miehling, homeowner and LOGO! fan

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

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