



SIMATIC NET

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Communication Modules for LOGO! 8

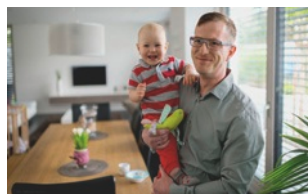
The communication modules CMR and CSM in the design of the logic modules LOGO! 8 offer a lot of performance in a small space.



The LOGO! CMR modules (communication module radio), in combination with the LOGO! 8 basic modules, enable the monitoring and control of decentralized plants and systems by SMS. The LOGO! CMR can send text messages to predefined mobile phone numbers on the basis of an event in the program of the LOGO! basic module or at the integrated inputs of the LOGO! CMR. Settings at the LOGO! CMR as well as the LOGO! basic modules can be conveniently changed from afar by SMS. The LOGO! CMR provides for the connection of a GPS antenna. With it, the module receives GPS signals for the position determination. The synchronization of the LOGO! basic modules with the current time also takes place via the LOGO! CMR. Depending on the application, the time is determined via an NTP server, from the data of the mobile communications provider, or from the GPS signal.

The LOGO! CSM (compact switch module) serves as an unmanaged switch for connecting a LOGO! basic module and up to three additional participants to an Industrial Ethernet network.

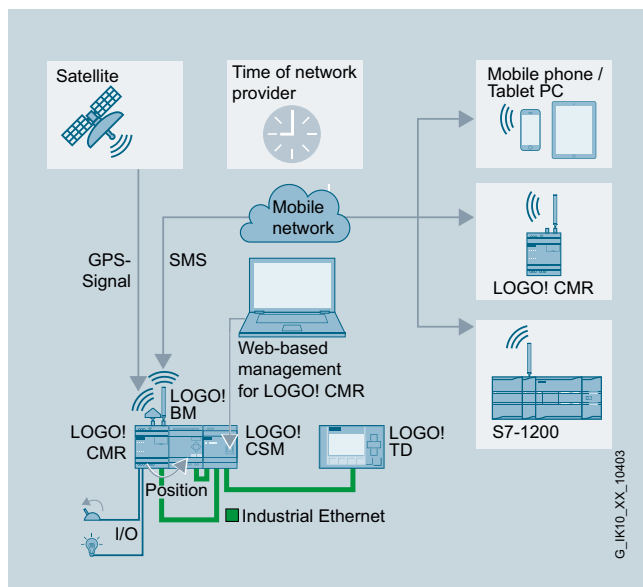
The advantages at a glance:

- Cost-efficient alarm messaging system: Low investment and operating costs for the monitoring and control of small facilities
- Cost-efficient telecontrol of the logic modules LOGO! 8 by SMS
- Convenient commissioning and diagnostics via web-based management
- Internationally deployable thanks to communication via GSM, UMTS, and LTE networks
- Position determination and time synchronization via GPS
- Easy networking by means of unmanaged switch module LOGO! CSM
- Optimized for the space-saving connection to LOGO! 8
- Suitable for applications in industrial and industry-oriented areas



				
	LOGO! CMR2020 ¹⁾	LOGO! CMR2040 ¹⁾	LOGO! CSM12/24	LOGO! CSM230
Article No.	6GK7142-7BX00-0AX0	6GK7142-7EX00-0AX0	6GK7177-1MA20-0AA0	6GK7177-1FA10-0AA0
External power supply	12/24 V DC (3-pin terminal block)			115...240 V AC/DC (3-pin terminal block)
Temperature range	-20 °C ... +70 °C		0 °C ... +55 °C	
Degree of protection	IP20			
Type of installation	DIN rail or wall mounting			
Enclosure	71.5 x 90 x 58.2 mm (without antenna sockets) = 4 HP		71.5 x 90 x 58.2 mm = 4 HP	71.5 x 90 x 55 mm = 4 HP
Connection Industrial Ethernet	1 x RJ45 (10/100 Mbit/s)		4 x RJ45 (10/100 Mbit/s)	
Connection mobile communications antenna	SMA socket (50 ohms)		-	
Connection GPS antenna	SMA socket (50 ohms)		-	
Inputs/outputs (DI/DO)	2/2 (not isolated)		-	
Supported mobile communications standards	GSM: 850/900/1800/1900 MHz	LTE: 800/1800/2600 MHz UMTS: 900/2100 MHz GSM: 850/900/1800/ 1900 MHz	-	
Configuration	Web-based management		Unmanaged switch, no configuration necessary	
SIM card	Standard		-	
Memory card	microSD (max. 8 GB)		-	

¹⁾ Please note country approvals: www.siemens.com/mobilenetwork-approvals



Application examples:

- Simple remote monitoring and telecontrol tasks:
 - In the private sector: for example heating control, window monitoring, garden irrigation
 - Building automation and building services: for example HVAC, pump control
 - Agriculture: for example irrigation, automatic feeder
 - Low-end machine control (mostly discrete logic)
 - Water/wastewater: for example fill level, pressure, temperature, flow rate, valve control
 - Elementary energy monitoring
- Position monitoring in logistics: for example of containers
- Time-controlled small automation tasks: for example school or church clocks

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