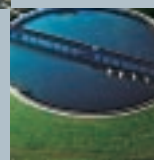


Wireless Data Communication based on GPRS

Remote Control



micro automation SET 21



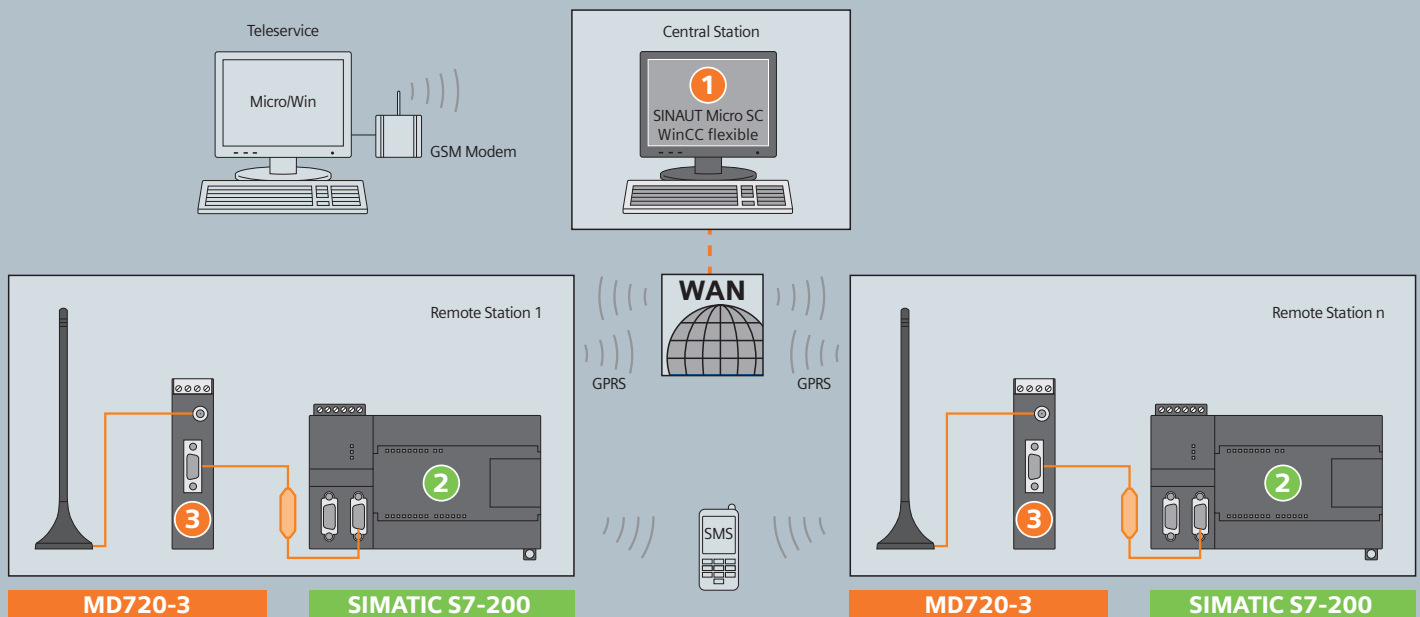
SIEMENS

Wireless monitoring and controlling of distributed plants with SIMATIC S7-200

Micro Automation Sets – ready-to-run combinations from the Siemens automation environment.

Quickly implemented automation tasks at a favorable price in the world of micro automation – simple, low-cost and pre-tested in working applications.

- More for the money – economically realizing bidirectional data communication between all stations with SINAUT Micro SC.
- The overall picture – the OPC server integrated in SINAUT Micro SC transparently provides all process data of the remote station; the general interrogation of the data can be realized by the central station.
- Open to new ideas – all remote stations feature teleservice functionality for service purposes, messages are automatically transferred to the service staff by SMS.
- Using robust mobile phone technologies – thanks to quad-band modem, GSM mobile service providers with GPRS network can be taken advantage of worldwide.
- Quick and cost-effective operation – GPRS and Internet secure short transmission times, are always online and only the transferred data volume is charged.
- Embark on a new course with Siemens – all of the data and the right contact partners for the Set, straightforward ordering or planning with different versions, immediately, directly and simply through www.siemens.com/microset – the fastest way to a working solution.



- 1 Standard PC with SINAUT Micro SC (routing and OPC server) and WinCC flexible (visualization)
- 2 SIMATIC S7-200 CPU 224 XP: Distributed controlling
- 3 MD720-3: Establishment and maintenance of the GPRS connection, communication to SINAUT Micro SC



Applications

The MICRO AUTOMATION SET is particularly suitable for use in geographically distributed automation systems. Simple automation tasks are solved on a distributed basis and transferred via mobile communications (GPRS).

The set is particularly suitable for the following sectors:

- Water supply
- Oil and gas industry
- District heating
- Transportation systems
- Open-cast mining
- Energy supply

Technical component data

1	SINAUT Micro SC	
	Operating systems	Windows XP Professional and Windows 2003 Server
	Number of remote stations	max. 256 (in licenses for 8, 64 and 256 stations)
	WinCC flexible Runtime	
	Operating systems	Windows 2000 und Windows XP Professional
	Online languages	max. 16
2	SIMATIC S7-200 (CPU 224 XP)	
	Supply voltage	DC 20.4 to 28.8 V or AC 85 to 264 V
	Inputs/outputs (integrated)	Up to 248 DI/DO and 35 AI/AO
	Program memory/Data memory	Max. 16 kB/10 kB
	Program backup	Maintenance-free in the integrated EEPROM
	Data backup	EEPROM/high-performance capacitor/backup battery
	Programming language	KOP, FUP, AWL
	Interfaces	2 x RS 485 communications interface, expansion bus for modules
3	MD720-3 (GPRS modem)	
	Quad-band	GSM 850, EGSM 900, DCS 1800 and PCS 1900
	Output power	2 W/class 4 with GSM 850 and EGSM 900; 1 W/class 1 with DCS 1800 and PCS 1900
	Connection management	Autonomous establishment and maintenance of the GPRS connection to SINAUT Micro SC
	Control	Via AT commands

MICRO AUTOMATION SET – your planning tool

Choose from implementation plans that have proven success. You will find all the necessary components for the application (Micro Automation Set) in this overview, and also on the Internet. In cases where you require versions that are adapted to your particular system requirements, obtain the appropriate ordering data for specific component versions under www.siemens.com/microset.

Your MICRO AUTOMATION SET – everything that you need			Comments/Versions
Product	Order No.		
1 SINAUT Micro SC (License for 8 stations) WinCC flexible Runtime Advanced	6NH9910-0AA10-0AA3		
	6AV6613-1BA01-1CA0		
	6AV6613-0AA01-1CA5		
2 SIMATIC S7-200 CPU 224 XP	6ES72 14 - 2 B D 2 3 - 0 X B 0		
3 MD720-3 (GPRS modem) ANT794-4MR (not identical with the picture)	6NH9720-3AA00		
	6NH9860-1AA00		
PC/PPI cable	6ES7901-3CB30-0XA0		
Accessories	Order No.		
SIM cards	Available from your mobile service provider		
9-pin gender changer (male)	Available from specialist dealers		
Your contact for the MICRO AUTOMATION SET			
For further information please contact your local Siemens partner or local Siemens distributor. If you do not know your Siemens partner please contact the helpline. Technical information for all products are available through our Supportline.		Helpline: +49 180 5050 111 Supportline: +49 180 5050 222	
Your MICRO AUTOMATION SET on the Internet			
Contact partners, ordering data, and version information, as well as additional information and examples are provided under:		www.siemens.com/microset	

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.

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Recommended by

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