

SIMATIC

S7-200 Tips

1. General Applications

Tip No.	Topic	Ver	# Pgs
0	Master Listing of S7 Application Notes	3.2	2
16	How to track how long a device has been operating	3.3	5
17	Timing for Staircase Lighting	3.3	4
18	Step Sequence (Event Drum Timer)	3.3	7
21	Dimming a Light Bulb with the Integrated DC Pulse Outputs of the S7200	3.3	4
31	Creation of OFF-Delay, Pulse, and Extended Pulse Timers	3.3	4
33	Handling of the S7-200 Timers	1.3	6
43	Emulating an External Potentiometer	1.1	5
44	Using Micro/DOS with the HP Palmtop	1.1	4
46	Using Multiple Thermocouples with an S7-200 CPU	1.1	3
47	Using Multiple Resistance Temperature Detectors (RTDs) with an S7-200 CPU	1.1	4

2. Integrated Functions

Tip No.	Topic	Ver	# Pgs
1	Handling Timed Interrupts	3.3	6
2	Handling Event Interrupts	3.3	6
3	Analog-Potentiometer of the S7-200	3.5	9
4	How to use High Speed Counters of the S7-200	3.3	8
6	Different possibilities for setting bits or bytes	3.4	6
7	Handling Pulse Width Modulation with the S7-200	3.3	6
8	How to Read and Write to the Real Time Clock of the S7-200	3.3	5
9	Edge Detection of Input Signals	3.3	4
24	How to play music using the Integrated DC Pulse Outputs	4.1	18

3. Communication			
Tip No.	Topic	Ver	# Pgs
5	Simple Applications using Freeport Mode	3.3	5
19	Connection of a Parallel Printer with a S7-200 in Freeport Mode	3.3	8
20	Receiving of Information from a Bar Code Reader via Freeport Mode	3.3	8
25	Connection of a S7-200 to a TI505-System via Field Interface Module (FIM)	3.4	13
26	Application of Hayes Modem with a S7-200 via Freeport Mode	3.4	11
27	Connection of several S7-200 CPUs in a Remote I/O Network using Freeport Mode	3.4	25
35	Connection between S7-200 and PC: Reading from a Windows Application	1.3	10
37	Connecting an RS485 Encoder to the S7-200 PPI Interface	1.1	24
41	Modbus RTU Slave for S7-200	1.1	43
42	S7-200 PPI Network Notes	1.1	12
48	Using NETRs and NETWs with the S7-200	1.1	10
49	Using a Modem to Remotely Program and Monitor an S7-200 PLC through a PPI Interface	1.0	5
51	Using the TD200 Operator Interface with the S7-200 PLC	1.0	23
52	Using XMT and RCV instructions to communicate to an operator interface	1.0	19
55	Integration of ASI- I/O Data into the S7 200	1.0	8
56	General notes about Profibus and CPU 215	1.0	16
57	Interfacing a S7-300(Master) with a S7-200(Slave) by Profibus	1.0	12
58	Fault Alarm Recording with S7-200	1.0	15

4. Motor-Control			
Tip No.	Topic	Ver	# Pgs
10	Reversible Motor Starter Circuits for Changing the Rotational Direction of Three-Phase A.C. Induction Motors	3.3	6
11	Reversible Motor Starter for Pole-Changeable Three-Phase Induction Motors with Rotational Direction Selection	3.3	9
12	Star-Delta Starter without Acknowledgment	3.3	6
13	Star-Delta Motor Starter with Starter Acknowledgment	3.3	7
14	Wound Rotor	3.3	8
15	Stator-Resistance Starting Circuit	3.3	5
28	Freeport Communication Interface to SIMOVERT Motor Drive	3.4	24
40	Using the S7-200 AC Inputs with 220VAC to Control the Three Phase Motor of a Crane	1.1	8

5. Positioning			
Tip No.	Topic	Ver	# Pgs
22	Triggering a Stepper Motor Drive, using Integrated DC Pulse Outputs with the S7-200 CPU	3.3	7
23	Controlled Positioning with a Stepper Motor Drive using Integrated Pulse Outputs	3.4	12
30	Control Positioning with Position Monitoring and Position Correction	3.3	20
50	Using a PTO Ramp with the S7-200 PLC	1.0	8

6. Regulatory Control			
Tip No.	Topic	Ver	# Pgs
29	Using a HSC Input for Recording Analog Values by means of an Analog/Frequency (A/f) Converter	3.3	6
32	Handling PID on the S7-200	2.1	21
34	Handling Analog Inputs	1.3	7
36	Measuring and Monitoring Temperature with a PT100 Resistance Temperature Detector	1.3	10
38	Scaling Analog Values	1.1	11
39	Measuring and Monitoring Temperature with the S7-200 using Linearized Temperature Detector PT100	1.1	13
45	Temperature Measurement using Digital Inputs	1.1	8
53	Using the PID-Instruction	1.0	7
54	Demo using the PID-Instruction	1.0	20