

# SIEMENS

## SIMATIC

## PC Adapter USB

### Manual

Preface, Contents	
Properties of the PC Adapter USB	<b>1</b>
Package Components	<b>2</b>
Requirements for Operation	<b>3</b>
Hardware Design of the PC Adapter USB	<b>4</b>
Working with the PC Adapter USB	<b>5</b>
PC Adapter USB on the MPI/DP Network	<b>6</b>
Firmware Update	<b>7</b>
Error Diagnostics	<b>8</b>
Technical Data	<b>9</b>
Appendix	<b>10</b>
Index	

## 9 Technical Data

<b>PC Adapter USB</b>	
Order no.	6ES7972-0CB20-0XA0
Dimensions	Approx. 105 x 58 x 26 mm
Weight	Approx. 250 g
<b>Interfaces</b>	
to S7 / M7 / C7 to PC	RS485 (max. 1.5 Mbps) USB (12 Mbps)
Power supply (via MPI interface)	24 V DC (SELV) (18V.. 30 V DC)
Power consumption	50 mA (typically) / 100 mA (max.)
Inrush current	I <sub>max.</sub> 700 mA; 8µs
<b>Safety</b>	
Safety class	Safety class III conforming to IEC 60950
Safety requirements	IEC 60950 corresponds to DIN/EN 60950
Degree of protection	IP 20
<b>Electromagnetic compatibility (EMC)</b>	
Noise emission	Limit value class B according to EN 55022
Noise immunity on signal lines	2 kV (according to IEC 61000-4-4; burst; length > 3m)
Immunity to discharge of static electricity (ESD)	6 kV, contact discharge (according to IEC 61000-4-2) 8 kV, air gap discharge (according to IEC 61000-4-2)
RF immunity	10 V/m 80 - 1000 MHz, 80% AM (to IEC 61000-4-3) 10 V/m 900 MHz, 1.89 GHz, 50% ED (to IEC 61000-4-3)
RF conductance	10 V 9 kHz - 80 MHz (to IEC 61000-4-6)
<b>Climatic conditions</b>	
Temperature Operation Storage / shipping	Tested according to DIN EN 60068-2-2, DIN IEC 60068-2-1 +0 °C to +60°C, temperature change max. 10 K/h -20°C to +60°C, temperature change max. 20 K/h
Relative humidity Operation Storage / shipping	Tested according to DIN IEC 60068-2-3, DIN IEC 60068-2-30, DIN IEC 60068-2-14 5% to 80% at 25°C (no dewing) 5% to 95% at 25°C (no dewing)

<b>PC Adapter USB</b>	
<b>Mechanical ambient conditions</b>	
Vibration Operation Storage / shipping	Tested according to DIN IEC 60068-2-6 10 to 58 Hz: amplitude 0.075 mm, 58 to 500 Hz: acceleration 9.8 m/s 5 to 9 Hz: amplitude 3.5 mm, 9 to 500 Hz: acceleration 9.8 m/s
Shockproof Operation Storage / shipping	Tested according to DIN IEC 60068-2-27/29 150 m/s, 11 ms, 100 shocks 250 m/s, 6 ms, 1000 shocks