

SIMATIC PC ADAPTER USB

Product Data Sheet

6ES7972-0CB20-0XA0

USB MPI DP Programming Adapter

HOST CONNECTION	USB TRANSFER RATE	AUTOMATION CONNECTION	MAXIMUM MPI DP RATE
USB 1.1; compatible with USB 2.0	12 Mbit/s	MPI/DP; RS-485	1.5 Mbit/s

Siemens 6ES7972-0CB20-0XA0 is the SIMATIC PC Adapter USB for connecting a compatible programming computer to MPI or PROFIBUS DP networks. It supports engineering access to the documented SIMATIC controllers and automation stations.

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VERIFIED TECHNICAL DATA

Host connection	USB 1.1; compatible with USB 2.0
USB transfer rate	12 Mbit/s
Automation connection	MPI/DP; RS-485
Maximum MPI DP rate	1.5 Mbit/s
MPI DP connector	9-pin D-sub
Power supply source	MPI/DP interface; 24 V DC nominal
Allowed operating voltage	18 to 30 V DC
Supply current	50 mA typical; 100 mA maximum
Standard USB cable length	5 m
Standard MPI cable length	0.3 m

ADDITIONAL PRODUCT DATA

Ingress protection	IP20
Operating temperature	0 to 60 deg C
Storage temperature	-20 to 60 deg C
Relative humidity	5 to 80% at 25 deg C operating; 5 to 95% storage, non-condensing
Electrical isolation	USB and MPI/DP interfaces isolated

DOCUMENTED USE SETTINGS

Manufacturing and Industrial Production: Industrial Manufacturing Process Control.

Food Processing and Beverage Production: Food Processing and Packaging.

Water Treatment and Wastewater Processing: Water Supply Process Management.

SYSTEM COMPATIBILITY

Install the applicable PC Adapter USB driver and engineering software for the actual host operating system. Select the adapter as the required PG/PC interface.

PRODUCT EVIDENCE

Siemens exact-article technical data, 6ES7972-0CB20-0XA0