

B&R · B&R System 2003

7CP570.60-1

System 2003 Celeron CPU

Technical specifications

Processor	Intel Celeron, 300 MHz
DRAM	64 MB
SRAM	512 kB
aPCI slots	1
USB	1 interface
Serial	1 RS232 interface
Ethernet	1 x 100BASE-T
RS232 connector	9-pin male D-sub
RS232 transfer rate	Maximum 115.2 kbit/s
RS232 maximum distance	15 m at 19.2 kbaud
Ethernet maximum segment length	100 m
Ethernet transfer rate	10/100 Mbit/s
Protection rating	IP20
Operating temperature	0 to 60°C horizontal; 0 to 50°C vertical
Storage temperature	-20 to 60°C
Relative humidity	5 to 95%, non-condensing
Nominal input voltage	24 VDC
Input voltage range	20.4 to 30 VDC
Power consumption	Maximum 30 W

Description

7CP570.60-1 is a B&R System 2003 CPU with a 300 MHz Celeron processor, removable CompactFlash application memory and integrated RS232, USB and 100BASE-T Ethernet interfaces.

It provides 64 MB DRAM, 512 kB SRAM, a hardware floating-point unit and one aPCI interface-module slot. Compatible CompactFlash application memory must be ordered separately.

Before installation or replacement, verify the CompactFlash application image, Automation Runtime version, 24 VDC supply, aPCI module, Ethernet and RS232 settings, USB service connection and connected System 2003 hardware.

Applications

- PLC control tasks that require short cycle times and floating-point processing
- Machine applications with large program or data requirements for the System 2003 generation
- Networked machine control using 100BASE-T Ethernet with local serial and aPCI expansion

Selection and replacement checks

B&R 7CP570.60-1 must be matched by complete material number, compatible System 2003 CPU or station, slot and terminal map, power and field wiring, saved project and connected devices. Back up the configuration and perform a controlled functional test after replacement.