

SYMPHONY PLUS HR SERIES

Product Data Sheet

SPBRC400

bridge process controller

PROCESSOR	DRAM	NVRAM	FLASH ROM
32-bit ColdFire, 160 MHz	8 MB total; 7.56 MB available	2 MB total; 1.90 MB available	2 MB

ABB SPBRC400 is a bridge controller in the Symphony Plus HR Series, compatible with documented Harmony and INFI 90 process-control configurations. It executes continuous, sequential and batch control strategies for industrial process and power applications.

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VERIFIED TECHNICAL DATA

Processor	32-bit ColdFire, 160 MHz
DRAM	8 MB total; 7.56 MB available
NVRAM	2 MB total; 1.90 MB available
Flash ROM	2 MB
Power supply	5 V DC at 2 A
Typical power consumption	10 W
Function-block capacity	32,000 addresses maximum
Execution segments	8
Minimum execution cycle	1 ms per segment
Local rack I/O capacity	64 modules maximum

ADDITIONAL PRODUCT DATA

Serial station support	128 at 40 kbaud or 8 at 5 kbaud
Redundant-controller link rate	4 MB/s
Diagnostic port	1 x RS232-C onboard
Operating temperature	0 to +70 deg C
Storage temperature	-25 to +70 deg C

DOCUMENTED USE SETTINGS

Electricity Generation and Industrial Energy Production: Thermal Electric Power Generation.

Water Treatment and Wastewater Process Automation: Municipal Drinking Water Treatment.

Continuous Process Manufacturing and Industrial Production: Industrial Chemical Process Production.

SYSTEM COMPATIBILITY

ABB SPBRC400 is a bridge controller in the Symphony Plus HR Series, compatible with documented Harmony and INFI 90 process-control configurations. It executes continuous, sequential and batch control strategies for industrial process and power applications.

PRODUCT EVIDENCE

ABB SPBRC400 product details; ABB HR Series datasheet 2VAA005507 (third-party hosted manufacturer text)

AMIKON PRODUCT SUPPORT

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