SIMATIC S7-400 CPU 412-2

Product Data Sheet

6ES7412-2XG00-0AB0

Dual-interface rack PLC processor

WORK MEMORY	INTEGRATED RAM LOAD MEMORY	MAXIMUM LOAD MEMORY	5 V BUS CURRENT
144 KB: 72 KB code, 72 KB data	**256 KB**	**64 MB**	**1.6 A maximum**

Siemens 6ES7412-2XG00-0AB0 is a CPU 412-2 processor for the SIMATIC S7-400 rack platform. It executes the controller program and coordinates distributed I/O and supported bus communication in industrial automation.

01 VERIFIED TECHNICAL DATA

Work memory	144 KB: 72 KB code, 72 KB data
Integrated RAM load memory	256 KB
Maximum load memory	64 MB
5 V bus current	1.6 A maximum
24 V bus current	300 mA maximum
Power loss	7.5 W
Communication interfaces	2: MPI/DP and DP
Maximum bus rate	12 Mbit/s
Bit instruction execution	0.2 micros
Floating-point execution	0.6 micros

Values follow the unit photographs and applicable documents identified on page 2.

02 ADDITIONAL PRODUCT DATA

Maximum data blocks	512
Data-block length	64 KB maximum
Marker memory	4 KB
Diagnostic buffer	400 entries
External backup input	5 to 15 V DC

03 DOCUMENTED USE SETTINGS

Water Treatment and Distribution: Municipal Water Treatment.

Industrial Manufacturing and Production: Discrete Parts Manufacturing.

Food and Beverage Manufacturing: Food Production and Packaging.

04 SYSTEM COMPATIBILITY

6ES7412-2XG00-0AB0 is the dual-interface rack plc processor for SIMATIC S7-400 CPU 412-2. Match the documented interface and installed companion equipment before configuring the assembly.

05 PRODUCT EVIDENCE

Siemens SIMATIC S7-400 CPU 412-2 technical documentation

AMIKON PRODUCT SUPPORT

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