

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE 90-30 SERIES PLC

IC693CPU374-HX

CPU 374 PLUS CONTROLLER

Used with the applicable Series 90-30 controllers configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: IC693CPU374.pdf

CPU374

Catalog Number IC693CPU374

CPU type	Single slot CPU module with embedded Ethernet Interface	
Processor speed	133 MHz	
Processor Type	Embedded 586	
Typical Scan Rate	0.15 milliseconds per 1K of logic (boolean contacts)	
Type of Memory Storage	RAM and Flash	
User Memory (total)	240KB (245,760) Bytes. Note: Actual size of available user program memory depends on the amounts configured for %R, %AI, and %AQ configurable word memory types.	
Discrete Input Points - %I	2,048 (fixed)	
Discrete Output Points - %Q	2,048 (fixed)	
Discrete Global Memory - %G	1,280 bits (fixed)	
Internal Coils - %M	4,096 bits (fixed)	
Output (Temporary) Coils - %T	256 bits (fixed)	
System Status References - %S	128 bits (%S, %SA, %SB, %SC - 32 bits each) (fixed)	
Register Memory - %R	Configurable 128 to 32,640 words	
Analog Inputs - %AI	Configurable 128 to 32,640 words	
Analog Outputs - %AQ	Configurable 128 to 32,640 words	
System Registers - %SR	28 words (fixed)	
Timers/Counters	>2,000 (depends on available user memory)	
Battery Backed Clock	Yes	
Battery Back Up (Number of months with no power)	1.2 months for internal battery (installed in the power supply) 15 months with external battery (IC693ACC302)	
Load Required from Power Supply	7.4 watts of 5VDC. High Capacity power supplies recommended.	
EZ Program Store Device	Yes	
Total Baseplates per System	8 (CPU baseplate + 7 expansion and/or remote)	
Interrupt Support	Supports the periodic subroutine feature.	
Communications and Programmable Coprocessor Compatibility	Yes	
Override	Yes	
Floating Point Math	Yes, Hardware Floating Point Math	
Programming Support	VersaPro 2.03 or later. CIMPLICITY Machine Edition Logic Developer 2.60 or later. Control software version 2.50 or later.	
Built-in Serial Ports	None. Supports RS-485 port on power supply.	
Protocol Support	SNP and SNPX on power supply RS-485 port	
Built-in Ethernet Communications	Ethernet (built-in) – 10/100 base-T/TX Ethernet Switch	
Number of Ethernet Ports	Two, both are 10/100baseT/TX ports with auto sensing. RJ-45 connection.	
Number of IP Addresses	One	
Protocols	SRTP and Ethernet Global Data (EGD). No channel support.	
Web Server Support	None	
Operating Temperature	0 to 60°C (32 to 140°F) ambient	
Storage Temperature	-40°C to +85°C	
Agency Approvals	UL508, C-UL (Class I, DIV II, A, B, C, D), CE Mark	
Low Temperature (LT) Testing	Yes. The CPU374 is available for -40° to 60°C operation.	