



## CPU's

Series 90-70 CPUs feature various memory sizes, performance capabilities and advanced functionalities, such as software configuration of data and program memory. The highest performance CPUs are based on the latest 486DX4 microprocessor, which supports redundant operations. Series 90-70 CPUs can handle up to 12K of I/O, while providing as much as 6 Mbytes of battery-backed memory in the same slot. In addition, some modules contain 256K of non-volatile user flash memory for added protection of your data and programs.

	IC697CPX772	IC697CPX782	IC697CPX928	IC697CPX935
<b>Product Name</b>	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 512 Kbytes On-Board User Memory; 256K of Built-In Flash Memory	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory; 256K of Built-In Flash Memory	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 6 Mbytes On-Board User Memory (requires 70 CFM forced air cooling); 256K of Built-In Flash Memory	Central Processing Unit, 96 MHz, 32-Bit, Floating Point, 1 Mbyte On-Board User Memory (requires 70 CFM forced air cooling); 256K of Built-In Flash Memory
<b>CPU Type</b>	Standard	Standard	Standard	Standard
<b>CPU Memory</b>	512 Kbytes of User Logic RAM	1 Mbyte of Slow Memory User Logic RAM	6 Mbytes of Medium Memory User Logic RAM	1 Mbyte of Fast Memory User Logic RAM
<b>Non-Volatile User Flash Memory</b>	Yes (256 Kbytes)	Yes (256 Kbytes)	Yes (256 Kbytes)	Yes (256 Kbytes)
<b>Floating Point Math</b>	Yes	Yes	Yes	Yes
<b>Processor Speed</b>	96 MHz (80486DX4)	96 MHz (80486DX4)	96 MHz (80486DX4)	96 MHz (80486DX4)
<b>I/O Discrete Points</b>	2048	12288	12288	12288
<b>Boolean Execution Speed (us/boolean function)</b>	0.4	0.4	0.4	0.4
<b>Analog I/O</b>	8 Kbytes	8 Kbytes	8 Kbytes	8 Kbytes
<b>Embedded Communications</b>	Serial	Serial	Serial	Serial
<b>Protocols Supported</b>	SNP Serial	SNP Serial	SNP Serial	SNP Serial
<b>Built-in Serial Ports</b>	3 (RS-232, 2 RS-485 optocoupler isolated/non isolated)	3 (RS-232, 2 RS-485 optocoupler isolated/non isolated)	3 (RS-232, 2 RS-485 optocoupler isolated/non isolated)	3 (RS-232, 2 RS-485 optocoupler isolated/non isolated)
<b>Redundancy Featured Scan Extension</b>	N/A	N/A	N/A	N/A
<b>Current Required from 5V Bus</b>	3.1 Amps	3.1 Amps	3.1 Amps	3.1 Amps