



This Datasheet for the

[IC693CPU331](#)

CPU 331 Module, (16 Kbytes User Program Memory)

<http://www.qualitrol.com/shop/p-14631-ic693cpu331.aspx>

Provides the wiring diagrams and installation guidelines for this GE Series 90-30 module.

For further information, please contact Qualitrol Technical Support at

1-800-784-9385

support@qualitrol.com

CPU331 **Catalog Number IC693CPU331**

CPU Type	Single slot CPU module	
Total Baseplates per System	5 (1 CPU baseplate + 4 expansion and/or remote)	
Load Required from Power Supply	350 milliamps from +5 VDC supply	
Processor Speed	10 MegaHertz	
Processor Type	80188	
Operating Temperature	0 to 60 degrees C (32 to 140 degrees F) ambient	
Typical Scan Rate	0.4 milliseconds per 1K of logic (boolean contacts)	
User Program Memory (maximum)	16K Bytes	
Discrete Input Points - %I	512	
Discrete Output Points - %Q	512	
Discrete Global Memory - %G	1280 bits	
Internal Coils - %M	1024 bits	
Output (Temporary) Coils - %T	256 bits	
System Status References - %S	128 bits (%S, %SA, %SB, %SC - 32 bits each)	
Register Memory - %R	2048 words	
Analog Inputs - %AI	128 words	
Analog Outputs - %AQ	64 words	
System Registers (for reference table viewing only; cannot be referenced in user logic program)	16 words (%SR)	
Timers/Counters	680	
Shift Registers	yes	
Built-in Ports	1 (uses connector on PLC power supply). Supports SNP/SNP-X slave protocols. Requires CMM module for SNP/SNP-X master, CCM, or RTU slave support; PCM module for RTU master support.	
Communications	LAN - Supports multidrop. Also supports Ethernet, FIP, Profibus, GBC, GCM, GCM+ option modules.	
Override	yes	
Battery Backed Clock	yes	
Interrupts	no	
Type of Memory Storage	RAM and optional EPROM or EEPROM	
PCM/CCM Compatibility	Yes	