MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE FANUC

IC693CPU331-AA

CPU331 SINGLE-SLOT CONTROLLER REVISION AA

Used with the applicable Series 90-30 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE Fanuc Series 90-30 CPU331 specifications

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

