

This Datasheet for the

IC693CPU363

CPU 363 Module, (240 Kbytes Configurable User Memory, 4K I/O, 8 Racks), 2 Built-In Serial Port, .22 msec/K

http://www.qualitrol.com/shop/p-14638-ic693cpu363.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

CPU363

Catalog Number IC693CPU363

Load Required from Power Supply 890 milliamps from +5 VDC supply Processor Speed 25 MegaHertz Processor Type 80386EX Operating Temperature 0 to 60 degrees C (32 to 140 degrees F) ambient Typical Scan Rate 0.22 milliseconds per 1 K of logic (boolean contacts) User Memory (total) 240K (245,760) Bytes. Actual size of available user program memory depends on the amounts configured for %R, %A1, and %AQ configurable word memory types (see below). Discrete Input Points - %6 Discrete Output Points - %6 Discrete Global Memory - %6 Discrete Global Memory - %6 Internal Coils - %M 4,096 bits Output (Temporary) Coils - %T 256 bits Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Configurable in 128 word increments from 128 to 16,384 words with Colgemaster and from 128 to 32,640 words with Control version 2.2. FORT 2 RB-465 System Registers (for reference table viewing only: 28 words (%SR) Timers/Counters Yes Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM: PCM module for RTU master support. Communications LAM - Supports multidrop. Also supports Ethernet, FIP, Profibus, GBC, GCM, GCM+ option modules. Override Yes Battery Backed Clock Yes	CPU Type	Single slot CPU module	
Processor Speed 25 MegaHertz Processor Type 80386EX Operating Temperature 0 to 60 degrees C (32 to 140 degrees F) ambient Typical Scan Rate 0.22 milliseconds per 1K of logic (boolean contacts) User Memory (total) 240K (245,760) Bytes. Actual size of available user program memory depends on the amounts configured for %R, %Al, and %AQ configurable word memory types (see below). Discrete Input Points - %I 2,048 Discrete Global Memory - %G 1,280 bits Internal Coils - %M 4,096 bits Output (Temporary) Coils - %T 256 bits System Status References - %S 128 bits (%S, %SA, %SB, %SC - 32 bits each) Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. System Registers (for reference table viewing only; and the Control version 2.2. System Registers (for reference table viewing only; and the Control version 2.2. Timers/Counters System Registers (for reference table viewing only; and an Art U slave, Requires CMM module for CCM; PCM module for RTU master support. Communications LAN - Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave, Requires CMM module for CCM; 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 Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Total Baseplates per System	~	
Processor Speed 25 MegaHertz Processor Type 80386EX Operating Temperature 0 to 60 degrees C (32 to 140 degrees F) ambient Typical Scan Rate 0.22 milliseconds per 1K of logic (boolean contacts) User Memory (total) 240K (245,760) Bytes. Actual size of available user program memory depends on the amounts configured for %R, %AL, and %AQ configurable word memory types (see below). Discrete Input Points - %l 2,048 Discrete Global Memory - %G 1,280 bits Internal Coils - %M 4,096 bits Output (Temporary) Coils - %T 256 bits System Status References - %S 128 bits (%S, %SA, %SB, %SC - 32 bits each) Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Ton Standard words with Logicmaster and from 128 to 32,640 words with Control version 2.2. PORT 2 R8-485 Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM; PCM module for RTU master support. Communications Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports PRAME FRAME FRAM	Load Required from Power Supply	890 milliamps from +5 VDC supply	O _{PS}
Processor Type	Processor Speed	25 MegaHertz	
Operating Temperature 0 to 60 degrees C (32 to 140 degrees F) ambient Typical Scan Rate 0.22 milliseconds per 1K of logic (boolean contacts) User Memory (total) 240K (245,760) Bytes. Actual size of available user program memory depends on the amounts configured for %R, %Al, and %AQ configurable word memory types (see below). Discrete Input Points - %I 2.048 Discrete Output Points - %Q 2.048 Discrete Output Points - %G 1.280 bits Internal Coils - %M 4.096 bits Output (Temporary) Coils - %T 256 bits System Status References - %S 128 bits (%S, %SA, %SB, %SC - 32 bits each) Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. System Registers (for reference table viewing only: 28 words (%SR) 29 words (%SR) Timers/Counters 2,000 Shift Registers Yes Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM; FCM module for RTU master support. Communications LAN - Supports multidrop. Also supports Ethernet, FIP, Profibus, GBC, GCM, GCM+ option modules. Override Yes Battery Backed Clock Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Processor Type	80386EX	
User Memory (total) 240K (245,760) Bytes. Actual size of available user program memory depends on the amounts configured for %R, %Al, and %AQ configurable word memory types (see below). Discrete Input Points - %I 2,048 Discrete Output Points - %Q 2,048 Discrete Output Points - %Q 2,048 Discrete Global Memory - %G I,280 bits Internal Coils - %M 4,096 bits Output (Temporary) Coils - %T 256 bits System Status References - %S I 28 bits (%5, %SA, %SB, %SC - 32 bits each) Register Memory - %R Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. System Registers (for reference table viewing only: 28 words (%SR) Timers/Counters 2,000 Shift Registers Yes Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM; 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 Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility	Operating Temperature	0 to 60 degrees C (32 to 140 degrees F) ambient	ON
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Register Memory - %R Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Inputs - %AI Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Logicmaster and from 128 to 32,640 words with Control version 2.2. Analog Outputs - %AQ Configurable in 128 word increments from 128 to 16,384 words with Control version 2.2. 28 words (%SR) Timers/Counters Yes Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM; 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 Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Output (Temporary) Coils - %T	256 bits	
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Built-in Ports Three ports. Supports SNP/SNPX slave (on power supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM module for CCM; PCM module for RTU master support. LAN - Supports multidrop. Also supports Ethernet, FIP, Profibus, GBC, GCM, GCM+ option modules. Override Yes Battery Backed Clock Yes Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Timers/Counters	>2,000	
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Profibus, GBC, GCM, GCM+ option modules. Override Yes Battery Backed Clock Yes Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Built-in Ports	supply connector). On Ports 1 and 2, supports SNP/SNPX master/slave and RTU slave. Requires CMM	
Battery Backed Clock Yes Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Communications	<i>LAN</i> - Supports multidrop. Also supports Ethernet, FIP, Profibus, GBC, GCM, GCM+ option modules.	
Interrupt Support Supports the periodic subroutine feature. Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Override	Yes	
Type of Memory Storage RAM and Flash PCM/CCM Compatibility Yes	Battery Backed Clock	Yes	
PCM/CCM Compatibility Yes	Interrupt Support	Supports the periodic subroutine feature.	
	Type of Memory Storage	RAM and Flash	
	PCM/CCM Compatibility	Yes	
Floating Point Mat h Support Yes, firmware-based in firmware Release 9.0 and later.	Floating Point Mat h Support	Yes, firmware-based in firmware Release 9.0 and later.	