



Software Features Comparison

Versions 3.9 and 4.3



	DCS 5000 Software V4	AutoMax Software V1	AutoMax Software V2.1J	AutoMax Software V3.2	AutoMax Software V3.4E	AutoMax Software V3.9A	AutoMax Software V4.3A
MODEL NUMBERS	57C300 57C301	57C304 57C305	57C390 57C391	N/A	57395	57C610	57C610
SOFTWARE FEATURES							
BASIC							
Quantity of BASIC Statements	65	65	82	82	85	85	85
Ethernet BASIC Statements	No	No	Yes	Yes	Yes	Yes	Yes
Variable String Length	32	32	256	256	256	256	256
CONTROL BLOCKS							
Quantity of Blocks	21	41	42	42	42	42	42
Display Execution Time After Compiling	No	Yes	Yes	Yes	Yes	Yes	Yes
LADDERS							
On-Line Program Changes	No	Yes	Yes	Yes	Yes	Yes	Yes
Display Current Values of Timers, Counters, Shift Registers	No	Yes	Yes	Yes	Yes	Yes	Yes
Event Coils	No	Yes	Yes	Yes	Yes	Yes	Yes
Store Remarks in a Task	No	Yes	Yes	Yes	Yes	Yes	Yes
Number of Characters in PC Variable Name	7	14	14	14	14	14	16
Quantity of Ladder Instructions	9	11	11	11	11	11	70
Multiple Coils per Rung	No	No	No	No	No	No	Yes
Multiple Instruction Blocks per Rung	No	No	No	No	No	No	Yes
Supports Windows Editing Feature (cut/copy/paste, drag & drop, etc.)	No	No	No	No	No	No	Yes
Supports Multi-window Views	No	No	No	No	No	No	Yes
Allows On-Line Test Mode	No	No	No	No	No	No	Yes
Provides Capture Trigger Monitor	No	No	No	No	No	No	Yes
View Inserted, Deleted, Modified Rungs	No	No	No	No	No	No	Yes
PROGRAMMING							
Intelligent CRT Programmer	Yes	No	No	No	No	No	No
IBM PC Compatible Programmer	Yes(1)	Yes	Yes	Yes	Yes	Yes	Yes
Microsoft Windows Version Required	N/A	N/A	N/A	3.0/3.1	3.1	NT4 95/98/ 2000	NT4 95/98/ 2000
Mouse or Point Device Required	No	No	No	No ⁽⁶⁾	No ⁽⁶⁾	No ⁽⁶⁾	yes
Tasks can be Reconstructed	No	Yes	Yes	Yes	Yes	Yes	Yes
Critical Task Designation	No	Yes	Yes	Yes	Yes	Yes	Yes
Graphical Configuration	No	No	No	Yes	Yes	Yes	Yes
Variable Tick Rate	No	No	Yes	Yes	Yes	Yes	Yes
Windows Based Text Editor	No	No	No	No*	No*	No*	Yes
Version Control Library	No	No	No	No	Yes	Yes	Yes
File Locking	No	No	No	No	Yes	Yes	Yes
Shared-User Version Available	No	No	No	No	Yes	Yes	Yes
PRINTING							
40 Char Description Above Contacts/Coils	No	Yes	Yes	Yes	Yes	Yes	Yes
Largest Print Command	Task	Task	Task	Task	System	System	System
Task Cross-Reference	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rack Cross-Reference	No	No	Yes	Yes	Yes	Yes	Yes
Network Cross-Reference	No	No	No	Yes	Yes	Yes	Yes

* Although Norton Editor is supplied, a Windows Editor could be used.



	DCS 5000 Software V4	AutoMax Software V1	AutoMax Software V2.1J	AutoMax Software V3.2	AutoMax Software V3.4E	AutoMax Software V3.9A	AutoMax Software V4.3A
MODEL NUMBERS	57C300 57C301	57C304 57C305	57C390 57C391	N/A	57395	57C610	57C610
HARDWARE COMPATIBILITY							
AutoMax Rack I/O	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AutoMate Rail I/O	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shark [®] I/O	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ethernet Interface	No	No	Yes	Yes	Yes	Yes	Yes
Allen-Bradley I/O	Yes ⁽⁴⁾	Yes ⁽⁴⁾	Yes ⁽⁴⁾	Yes ⁽⁴⁾	Yes ⁽⁴⁾	Yes	Yes
128K Common Memory - 57C423	No	No	Yes	Yes	Yes	Yes	Yes
AutoMax PC Link - Connection for Direct Network Programming	No	No	No	No	Yes	Yes	Yes
ISA Bus Connection-PC3000 Direct Programming	No	No	No	No	No	No	Yes
PROCESSORS							
DCS 5000 - 57C407	Yes	No	No	No	No	No	No
AutoMax 6010 - 57C430A	No	57C430	Yes	Yes	Yes	Yes	No
AutoMax 6011 - 57C431	No	No	Yes	Yes	Yes	Yes	Yes
AutoMax 7010 - 57C435	No	No	Yes	Yes	Yes	Yes	Yes
AutoMax PC3000 - 57C560	No	No	No	No	No	No	Yes
UDC - 57552	No	No	No	No	Yes	Yes	Yes
UDC Enhanced Memory - 57652	No	No	No	No	No	Yes	Yes
DPS O/S							
SD3000 DC Drive	No	No		No	Yes	Yes	Yes
SF3000 Three-Phase DC Field	No	No		No	Yes	Yes	Yes
SA3000 AC Vector Drive	No	No		No	Yes	Yes	Yes
SA500 AC Brushless Drive	No	No		No	Yes	Yes	Yes
SB3000 DC Synchronous Bus	No	No		No	No	Yes	Yes
SYSTEM FEATURES							
Multitasking	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multiprocessing	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Three Languages	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Loadable Runbase (operating system)	No	Yes	Yes	Yes	Yes	Yes	Yes
Size of Runbase	N/A	105K	119K	119K	135K	135K	227K
Number of Forced Variables	16	16	16	16	16	16	64
Application Memory Available							
DCS 5000 - 57C407	80K	N/A	N/A	N/A	N/A	N/A	N/A
AutoMax 6010 - 57C430	N/A	151K	137K	137K	121K ⁽³⁾	121K ⁽³⁾	N/A
AutoMax 6011 - 57C431	N/A	N/A	300K	300K	300K	300K	290K
AutoMax 7010 - 57C435	N/A	N/A	300K	300K	300K	300K	290K
AutoMax PC3000 - 57C560 & 57C570	N/A	N/A	N/A	N/A	N/A	N/A	370K
Network Programming	No	No	Yes ⁽²⁾	Yes ⁽²⁾	Yes	Yes	Yes
Password Security	No	No	Yes	Yes	Yes	Yes	Yes
Simultaneous on-line users/rack	1	1	1	1	4	4	4
Year 2000 Ready	No	No	No	No	No	Yes	Yes

- (1) DCS 5000 V2,3 require an Intelligent CRT programmer.
- (2) Requires correct version of network communications modules.
- (3) 136K available if Ethernet isn't used.
- (4) Versions V3.5 and earlier can use with generic templates.
- (5) Available DPS options.
- (6) Optional for configuration.



Network Compatibility Chart For AutoMax Processors

CPU	NETWORK	
57C560 AutoMax PC3000 CPU 57C570 AutoMax PC3000 Packaged AutoMax V4.1 or Higher Supports Network Programming	57C404 Equivalent Built in 57C404 Equivalent Built in	Full Network programming Full Network programming
57C430A (6010) 57C431 (6011) 57C435 (7010) AutoMax V2 or Higher Supports Network Programming	57C404A,B,C 57C404 57404-1 57404	Full Network programming Full Network programming Standard Network supporting drop depth Standard Network without drop depth
57C430 AutoMax V1.0 Standard Network Support Only	57C404A,B,C 57C404 57404-1 57404	Standard Network supporting drop depth Standard Network supporting drop depth Standard Network supporting drop depth Standard Network without drop depth
57C407 DCS 5000 Standard Network Support Only	57C404A,B,C 57C404 57404-1 57404	Standard Network supporting drop depth Standard Network supporting drop depth Standard Network supporting drop depth Standard Network without drop depth

NOTES:

- (1) AutoMax 6010, 6011 and 7010 processors may be mixed in a rack with appropriate software versions. AutoMax processors labeled 57C430 (without the "A" suffix) cannot be mixed in a rack with any other processors.
- (2) Network programming is supported only if all nodes on the network are either model 57C404A, 57C404B, 57C404 or PC3000 (they may be intermixed). All versions of network modules except for the 57404 may be intermixed on a network or in a rack.
- (3) Network cards which are labeled 57C404 are remanufactured by Reliance's Digital Products Repair facility.

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