

FIRMWARE COMPARISON

ITEM	SMC2000	SMC4000
Absolute Encoder Support	Yes	Yes
Application Program Threads	8	8
Array Elements	8000	15000
Cam Points	256	1024
Commands for dumb terminal HMI	Yes	Yes
Dual Vector Planes	No	Yes
Ethernet Handles	N/A	8
Gantry Mode	No	Yes
IF-ELSE-ENDIF structure	No	Yes
Interpolation between axes	Yes	Yes
Latch Target Mode	Yes	Yes
Minimum Servo Update (uSec)	375, 2-axis	250, 2-axis
Modbus I/O over Ethernet	N/A	Yes
Multiple Gearing Masters	No	Yes
Password Protection	Yes	Yes
PC Application Driver	Yaskawa	Yaskawa
Program Lines	1000	2000
Programming Software	Yterm	Yterm
Variable Axis Letter	No	Yes
Virtual Master	No	Yes

HARDWARE COMPARISON

ITEM	SMC2000	SMC4000
Amplifier Alarm Reset (Integrated)	No	User Select
ESTOP Relay Contacts	No	Yes
General Inputs	8/24	8
General Onboard Analog Inputs	7	0
General Onboard Analog Outputs	0	0
General Outputs	8/16	8
Input Power	90~260VAC & 24VDC	24 VDC
Instruction Timing	1.0 mSec	0.5 mSec
I/O type	24 VDC	24 VDC
Inverter Control Method	Axis Output	Ethernet / Axis Output
On Board Axis Count	1, 2, 4, & 8	2, & 4
Opto Isolation	Yes	Yes
Plug & Play cables to Yaskawa components	Yes	Yes
Servo Amplifier enable output	24 VDC	24 VDC
Servo Enable Interlock signal	No	No
Stand Alone	Yes	Yes
Stepper Control	Yes	Yes