



YASKAWA Controller Compatibility
Hardware/Software Requirements



Supported Robot Controllers

The following robot controllers are supported for use with Forge/OS.

CONTROLLER	OS REQUIREMENT
YRC1000	YAS4.10
YRC1000 Micro	YBS2.43
YRC1000 Micro + PFL	

Hardware & Software Requirements

The following are additional hardware and software items that will be required for you to purchase separately to allow you to setup and operate your robot with READY's Forge/OS. Refer to the Forge/OS Startup guide for installation instructions.

YRC1000 Controller Hardware:

Description	PN	Supplier	Qty
CABLE, ETHERNET, 25', GREY	7734T6	McMaster	1
USB STICK, 8GB OR LARGER	R-400030	READY Robotics	1
Controller Kit, FSU Expansion, 8 I/O, YRC 1000	179909-1	Yaskawa Motoman	1
Includes: •Cable Assy, Control Signal Cable, Safety I/O, YRC1000, from YEC	183418-1		1
•Cable Assy, Functional Safety I/O, YRC1000	176790-2		1
•Board, Pc, Breakout, Functional Safety, YRC1000	179765-1		1
•Board, Pc, Safety I/O Expansion, 8 In/8 Out, YRC1000	178277-1		1
Standard I/O, 40 IN/40 OUT, 2 Safety IN/2 Safety OUT	180700-1		1
Pendant, Standard, YRC1000, W/8M Cable, W/O Software	177716-1		1
Cable, 12-Pos M12, Socket x Flying Leads, 5m	1554872	Phoenix Contact	1

YRC1000 Controller Software:

Description	PN	Supplier	Qty
Functional Safety Unit	179908-1	Yaskawa Motoman	1



Hardware & Software Requirements cont.

YRC1000 Micro Controller Hardware:

Description	PN	Supplier	Qty	
CABLE, ETHERNET, 25', GREY	7734T6	McMaster	1	
USB STICK, 8GB OR LARGER	R-400030	READY Robotics	1	
Accessory, FSU, 8 IN/ 8 OUT, YRC1000micro	187028-1	Yaskawa Motoman	1	
Includes:				
• Functional Safety Unit I/O Breakout (68 PIN)	149259-3		1	
• Functional Safety Unit I/O Cable	186172-2		1	
• FSU I/O Board	185296-1		1	
• Functional Safety Perimeter Software	179502-22	1		
Standard I/O 8 IN/8 OUT, 3 Safety IN/3 Safety OUT	185558-1		1	
Pendant, Standard, YRC1000, W/8M Cable, W/O Software	177716-1		1	
Cable, 12-Pos M12, Socket x Flying Leads, 5m	1554872	Phoenix Contact	1	

YRC1000 Micro Controller Software:

Description	PN	Supplier	Qty
Functional Safety Unit	179908-1	Yaskawa Motoman	1



Hardware & Software Requirements cont.

YRC1000 Micro + PFL Controller Hardware:

Description	PN	Supplier	Qty
CABLE, ETHERNET, 25', GREY	7734T6	McMaster	1
USB STICK, 8GB OR LARGER	R-400030	READY Robotics	1
Functional Safety Unit I/O Cable	186172-2	Yaskawa Motoman	1
Functional Safety Unit I/O Breakout (68 PIN)	149259-3		1
Standard I/O 8 IN/8 OUT, 3 Safety IN/3 Safety OUT	185558-1		1
Pendant, Standard, YRC1000, W/8M Cable, W/O Software	177716-1		1
Cable, 12-Pos M12, Socket x Flying Leads, 5m	1554872	Phoenix Contact	1

YRC1000 Micro + PFL Controller Software:

Description	PN	Supplier	Qty
Functional Safety Unit	179502-2	Yaskawa Motoman	1