



AN EVOLUTION OF ENGINEERING EXCELLENCE

Kawasaki has incorporated more than 40 years of experience as a robot industry leader into the development of the most technically advanced controller available. The E Controller combines high performance, unprecedented reliability, a host of integrated features and simple operation all in a compact design.

Teach Pendant

Large, color LCD touch screen display

The arrangement of keys has been optimized through extensive studies of operator hand movements



Equipped with safety switches



ADVANCED TECHNOLOGIES

The high performance CPU provides extremely accurate trajectory control, high-speed program execution as well as extremely fast loading and saving of files.

USER FRIENDLY OPERATION

The easy to use teach pendant now incorporates motor power and cycle start at your finger tips. Multiple information screens can be displayed simultaneously. The intuitive teaching interface is simple to use.

ABUNDANCE OF FEATURES

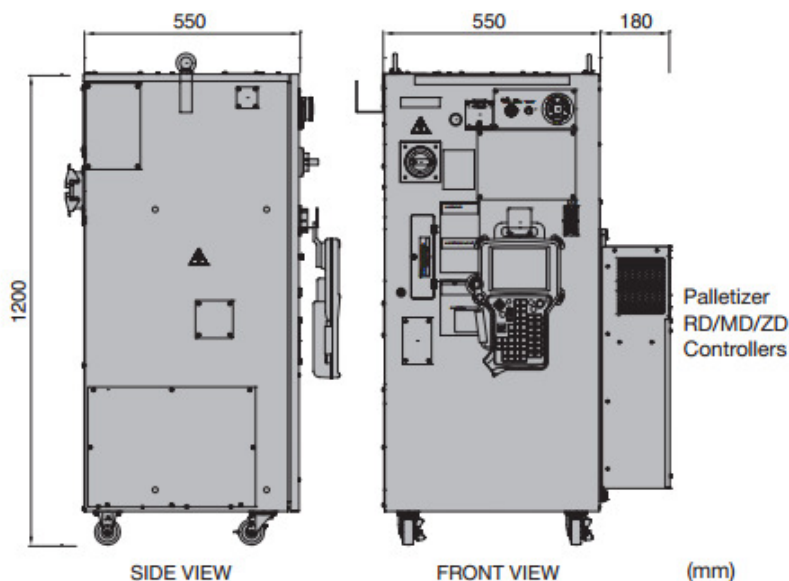
A large variety of unique features support a wide range of applications and industry automation. The extremely powerful Kawasaki AS Programming Language allows for sophisticated motion and sequence control.

EXPANDABLE

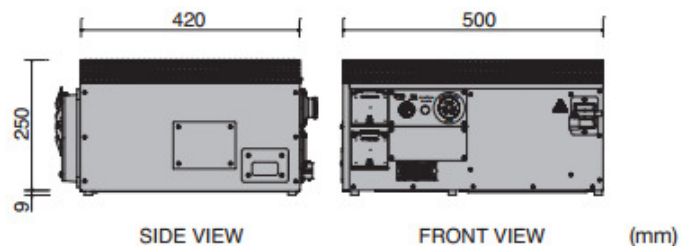
As many as 10 external axes can be added for a total of 16 axis control. Numerous communication field buses are available for controlling peripheral devices. The Kawasaki K-Logic sequencer software can be combined with user-customized interface panels on the teach pendant.

EASY MAINTENANCE

Modular components with limited cables allow for easy diagnostics and maintenance. On board self diagnostics minimizes troubleshooting and reduces MTTR. Remote Diagnostics via the web server enables service support from anywhere in the world.



E30/E32/E33/E34

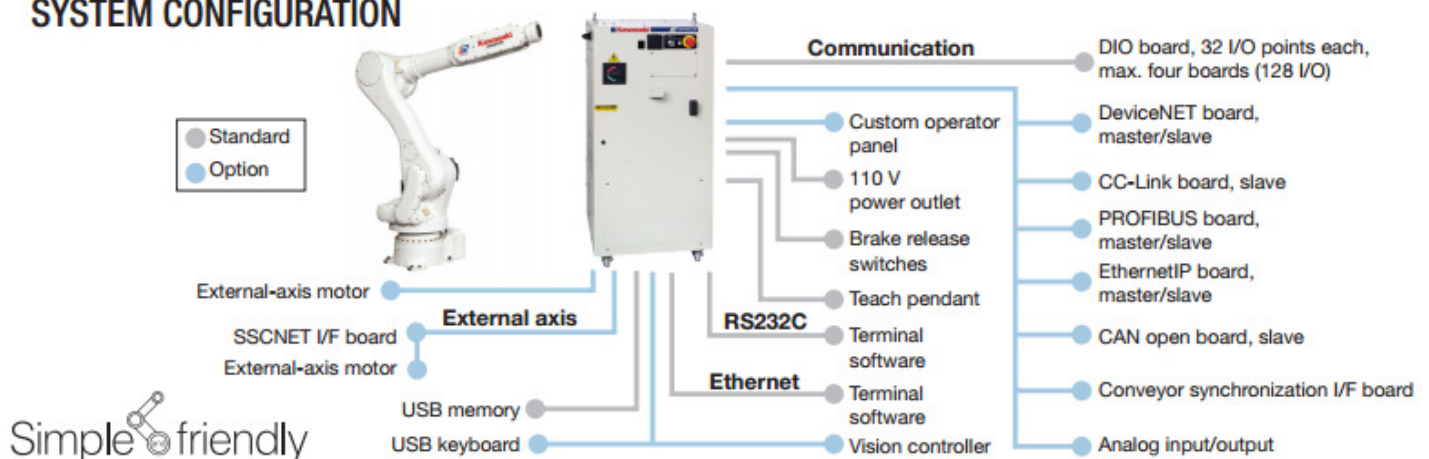


E76/E77

E CONTROLLER SPECIFICATIONS

		STANDARD		OPTION	
Model	E30 / E32 / E33 / E34	E76 / E77			
Number of Controlled Axes	6 axes			Maximum 16 axes	
Drive System	Full digital servo system				
Coordinate Systems	Joint, base, tool			External fixed tool point	
Types of Motion Control	Joint/linear, circular interpolated motion				
Programming	Point to point teaching (Block Step) or AS Language based programming				
Memory Capacity	8 MB (approx. 80,000 steps)				
Dimensions	W550 x D550 x H1200 (mm) W730 x D550 x H1200 (mm) palletizers	W500 x D420 x H250 (mm)			
Structure	Self-standing main enclosure				
Mass	145 / 180 / 195 / 180 kg	30 kg			
Body Color	Kawasaki Standard				
General Purpose Signals	External Operation	Motor power On, Hold, control power On/Off, circuit Off, etc.			
	Input	32 discrete channels			up to 128 discrete channels
	Output	32 discrete channels			up to 128 discrete channels
Operation Panel	E-Stop switch, teach/repeat switch, control power light			Customizable application interface panel Traditional operation panel	
Cable Length	Teach Pendant	10 m	5 m (RS03N/05N/05L) or 10 m (RS06L/10N)	15 / 20 / 25 / 30 m (E76/E77: 10-30 m)	
	Robot-Controller	7 m	5 m (RS03N/05N/05L) or 7 m (RS06L/10N)	10 / 15 / 20 / 25 / 30 m	
Environment Conditions	Ambient Temperature: 0 - 45° C Relative Humidity: 35 - 85 % (no dew, nor frost allowed)				
Power Requirements	AC440-480V ±10%, 60Hz, 3ø		AC220-240V ±10%, 50/60Hz, 1ø		AC200-220V, AC380-415V, AC440-480V, AC515V, AC575V ±10%, 50/60Hz, 3ø (E30 / E32 / E33 / E34)
	Class-D earth connection (earth connection dedicated to robots), leakage current Maximum 100mA				
Teach Pendant	TFTcolor LCD display with touch-panel, E-Stop switch, teach lock switch, enabling switch (Cycle start, motor-on, hold/run, errors, and error reset are activated from the teach pendant)				
Auxiliary Storage Unit	USB memory			USB keyboard	
Interface	USB, Ethernet (100BASE-TX), Serial RS232C			Field buses	

SYSTEM CONFIGURATION



Simple friendly

Assembly • Cutting • Dispensing • Grinding • Handling • Inspection • Packaging • Painting • Palletizing • Polishing • Tending • Welding