



Kawasaki Robotics (USA), Inc.



E CONTROLLER

An Evolution of Engineering Excellence

Kawasaki has incorporated more than 42 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.

Features:

1 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.

2 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.

3 ABUNDANCE OF FEATURES

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

4 HIGHEST QUALITY

Productivity is maximized with industry leading reliability (96,000 MTBF).

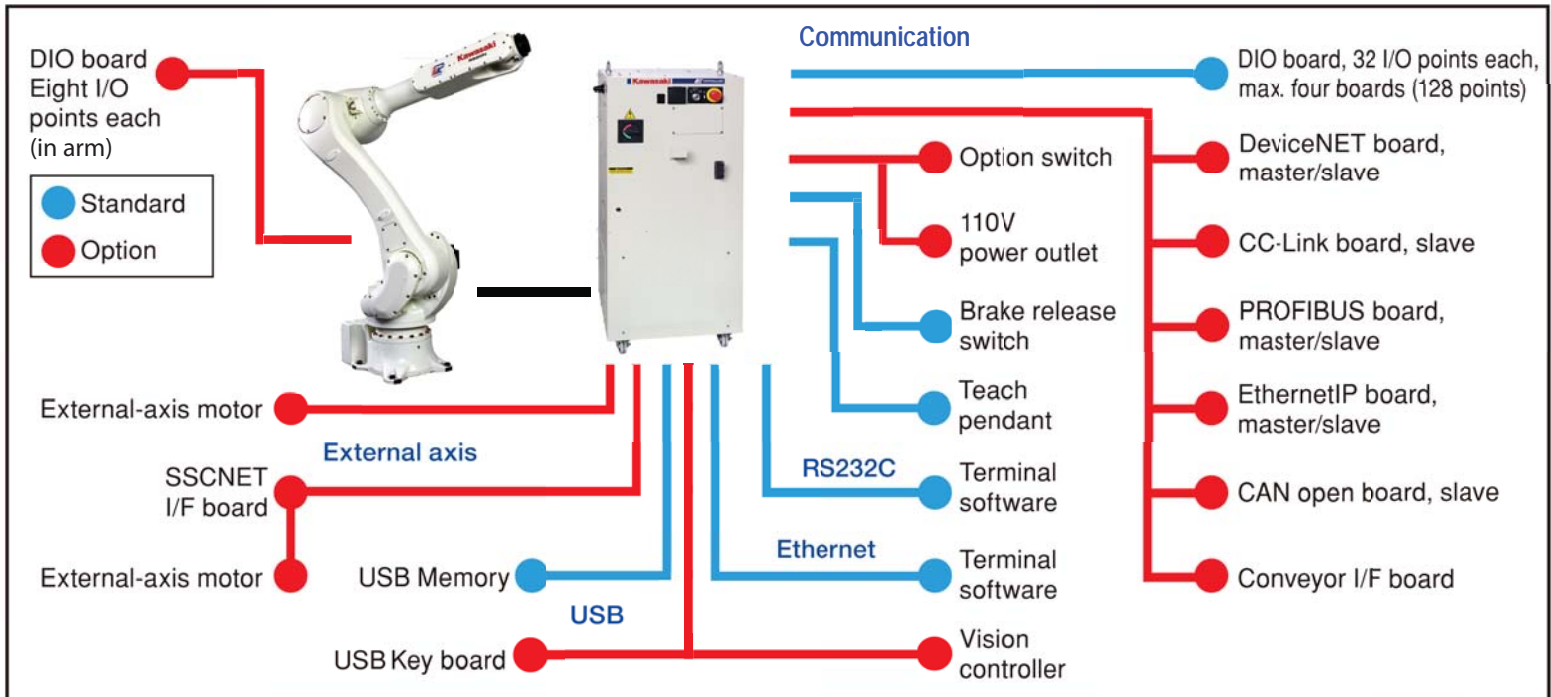
5 EXPANDABLE

As many as 16 external axes can be added for a total of 22 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.

6 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.

System Configuration:



simply the highest performance robots on the planet

www.kawasakirobotics.com

Specifications

		Standard	Option
Model		E30 / E32 / E33 / E34	
Dimensions		W600 x D550 x H1200 (mm)	
Structure		Self-standing main enclosure	
Number of Controlled Axes		6 axes	Max. 16 axes (Please contact us when using 9 Axes or more.)
Drive System		Full digital servo system	
Coordinate Systems		Joint, Base, Tool	Fixed tool point
Types of Motion Control		Joint/Linear, Circular Interpolated motion	
Programming		Point to point teaching or language based programming	
Memory Capacity		8 MB (Approx. 80,000 steps)	
General Purpose Signals	External operation	Motor power Off, Hold	
	Input	32 Channels	128 Channels
	Output	32 Channels	128 Channels
Operation Panel		E-Stop switch, teach/repeat switch, control power light (Cycle start, motor-on, hold/run, errors, and error reset are activated from the teach pendant.)	Cycle start switch, motor-on switch, hold/run switch, error light, error reset switch
Cable Length	Teach Pendant	5 M	10M, 15M
	Robot-Controller	5 M	10M, 15M
Mass		90 Kg	
Power Requirements		AC460-480V \pm 10%, 50/60Hz, 3 Φ Class-D earth connection (Earth connection dedicated to robots), leakage current. Maximum 100mA	
Environment Condition		Ambient Temperature: 0 ~ 45°C, Relative Humidity: 35 ~ 85% (No dew, nor frost allowed)	
Body Color		Kawasaki Standard	
Teach Pendant		TFT color LCD display with touch-panel, E-Stop switch, teach lock switch, deadman switch	
Auxiliary storage unit		USB Memory	USB Keyboard
Interface		USB, Ethernet (100BASE-TX), RS232C	

● Teach Pendant

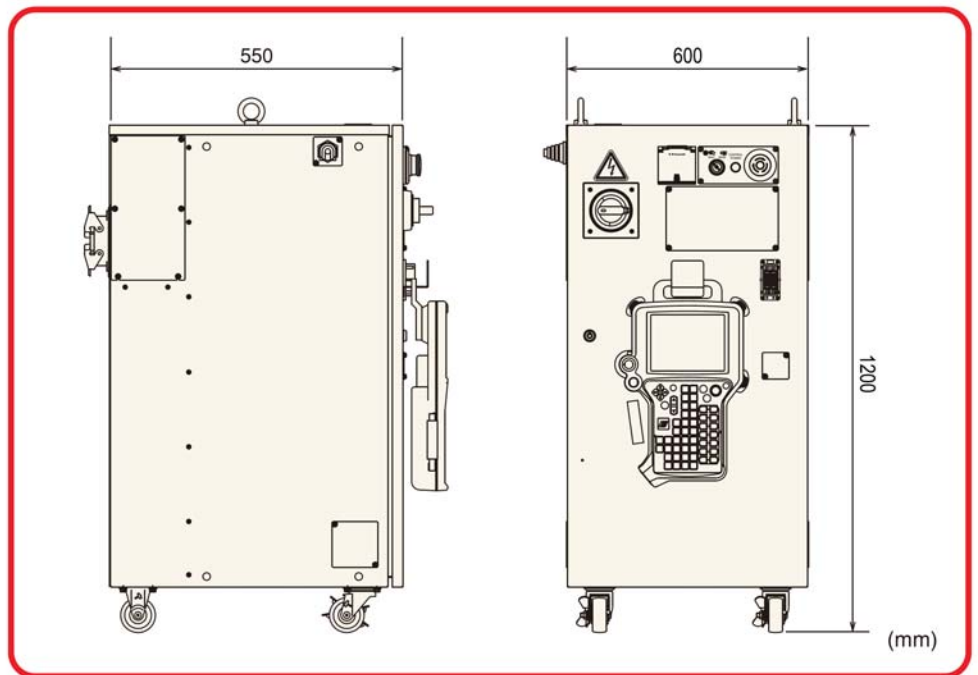
Large, color LCD touch screen display.

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



Equipped with deadman switches.

● External View and Dimensions



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