

Applicable Models		CAB L	CAB H	CAB LiteAC	CAB LiteDC
		JAKA Zu3/5/7/12/18 JAKA S5/7/12 JAKA Pro5/12 JAKA A12L	JAKA Zu20/30 JAKA Pro16	All JAKA cobots (excluding JAKA Mini Series and JAKA MAX Series)	
Physical Specifications	Dimensions (W×H×D)	421 × 379 × 255 mm (16.6 × 14.9 × 10.0 in)		425 × 196 × 136 mm (16.7 × 7.7 × 5.4 in)	425 × 208 × 136 mm (16.7 × 8.2 × 5.4 in)
	Weight	12.8 kg (28.2 lb)	14.3 kg (31.5 lb)	4.8 kg (10.6 lb)	3.5 kg (7.7 lb)
	IP Rating	IP54	IP54	IP20	IP20
	Operating Temperature	0–50°C (32–122°F)			
	Humidity	10–90% RH (non-condensing)			
	Materials	Aluminum alloy, Steel			
	Altitude	≤ 2000 m (78740 in)			
	Noise Level	45 dB (typical)			
Electrical	Mounting Options	Floor, Suspended, Rear		Rail, Bracket	
	Power Type	AC	AC	AC	DC
	Power Input	100–240 VAC, 50/60 Hz	100–240 VAC, 50/60 Hz	100–240 VAC, 50/60 Hz	48 VDC
	Typical Power Consumption (w/robot)	500 W	750 W	500 W	500 W
I/O & Interfaces	Digital I/O	16× DI (NPN/PNP configurable), 16× DO (NPN/PNP configurable)			
	Safety I/O	16× Safety DI (PNP), 16× Safety DO (PNP), 2× Emergency Stop Input, 2× Protective Stop Input			
	High-Speed Input	HSI (supports 5V/24V encoders, differential)			
	I/O Power Supply	24V–3A (Internal), 24V–5A (External)			
Communication	Ethernet	2× Gigabit Ethernet			
	Industrial Protocols	PROFINET IO Device EtherCAT Master EtherNet/IP Adapter Modbus RTU Master/Slave Modbus TCP Client/Server			
	Expansion	Supports PROFINET Controller, CC-Link Slave, etc.			
Teach Pendant	Teach Pendant	JAKA Touch I (standard), JAKA Touch II (optional)			
Power Cable Length	Power Cable Length	3 m (118 in)		3 m (118 in)	-

JAKA CAB V3

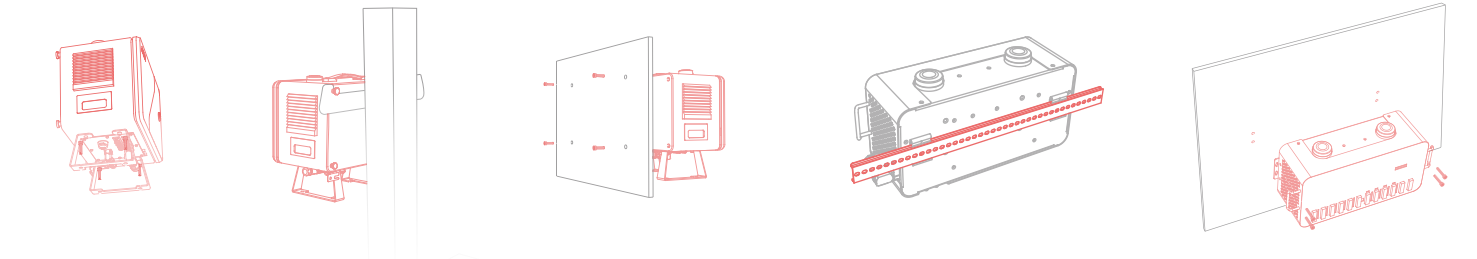
Next-Gen Robot Control Platform



Engineered for Peak Performance
Built for Effortless Versatility

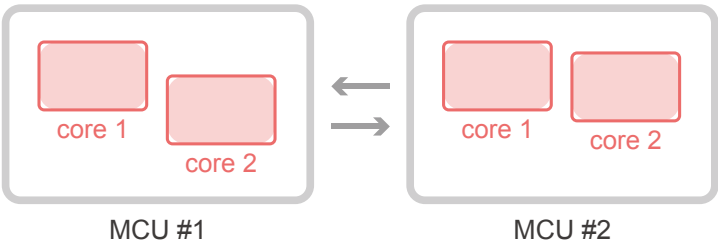
Flexible Deployment

Floor-mounted, suspended, rear-mounted, rail-mounted, or bracket-mounted



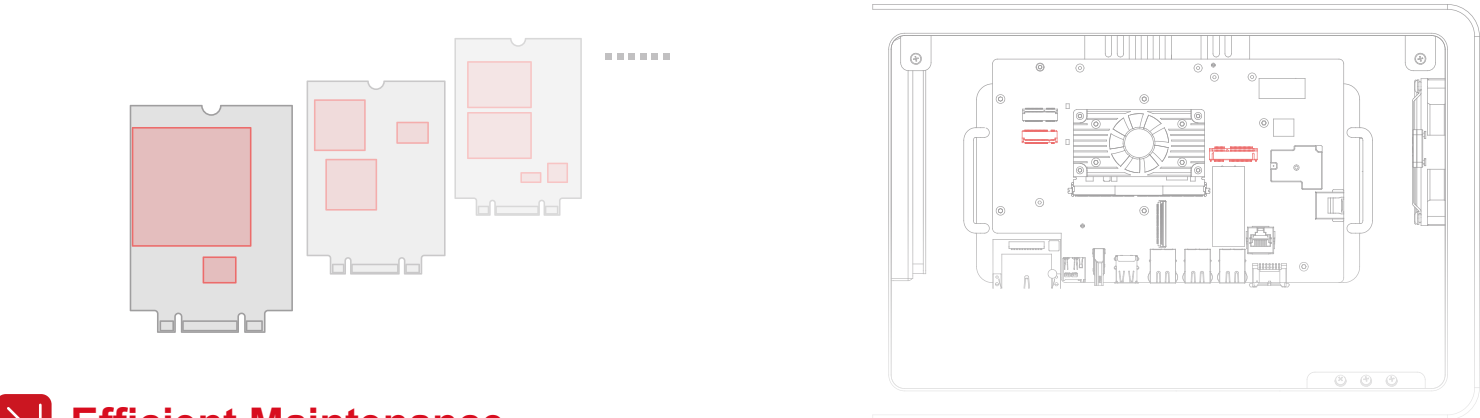
High Performance

2x Dual-Core MCU.
Redundant design for higher performance and fail-safe reliability.



Seamless Connectivity & Scalability

Expandable motherboard interfaces for integrating communication, storage, or custom modules.

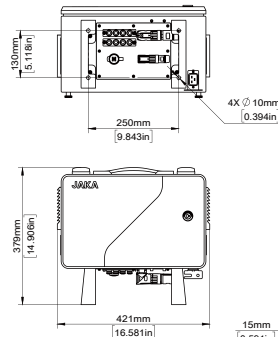


Efficient Maintenance

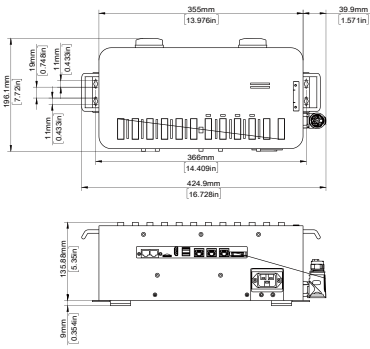
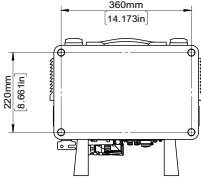
MTTR <15 mins with modular design (30% fewer parts, 50% fewer cables).
16 status LEDs for intuitive diagnostics.



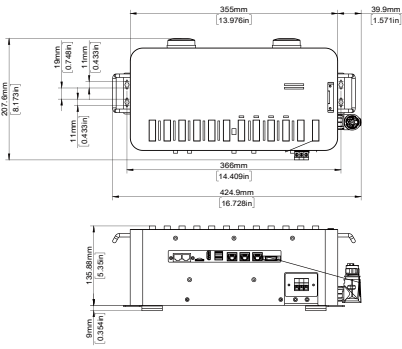
Dimensions



CAB L & CAB H

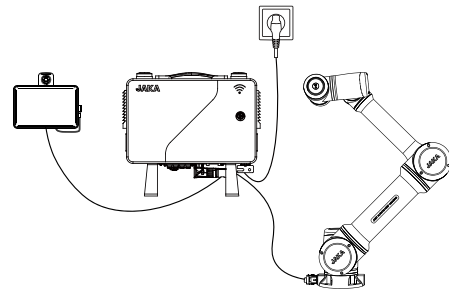


CAB LiteAC

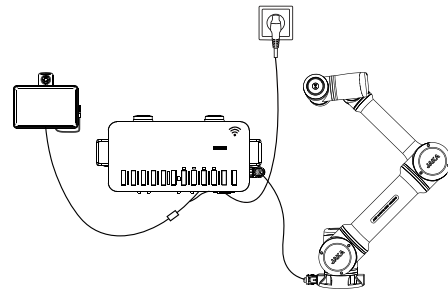


CAB LiteDC

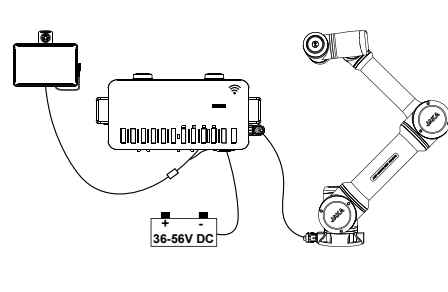
Connection Diagrams



CAB L & CAB H



CAB LiteAC



CAB LiteDC

Supported Teach Pendants



Touch I



Touch II (optional)