

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *OMRON / Adept Technology SmartController CX* at our website: ***Click HERE***

Adept SmartController CX



Specifications

Dimensions (mm)	329 x 187 x 86
Weight	6 lbs, 2.75 kg
Power Requirements	
24 VDC (± 10%), 120 W (5 A)	
Environmental Requirements	
Ambient Temperature	5 - 40 °C
Humidity Range	5 - 90 % (non-condensing)
Mounting Options	
Panel mount (kit included)	
Rack mount	
Stack mount	
Desktop	
Memory	
128 MB CompactFlash	
32 MB RAM	
Conveyor Belt Tracking Support (requires V+ extensions)	
Digital I/O	
Inputs	12 optically isolated (including 8 fast input)
Outputs	8 optically isolated
Communication Interfaces	
RS-232 serial port (3x)	
RS-422/485 serial port	
10/100 Base-T Ethernet	
DeviceNet	
SmartServo interface (2x)	
Software	
V+ real-time multi-tasking operating system and programming language	
Adept ACE™	
TCP/IP Interface	
Adept Robot Support	
Adept Cobra™ s-series robots	
Adept Viper™ robots	
Adept Quattro™ robots	
Adept Python™ linear modules	
CE and UL Compliant	

The Adept SmartController™ CX is an ultra-compact and high-performance robot motion controller. It features distributed architecture, embedded software, integrated belt tracking, and high-speed communication to integrate your automation system with PC-based software. Adept SmartController can control an entire production line, including third-party robots and peripherals.

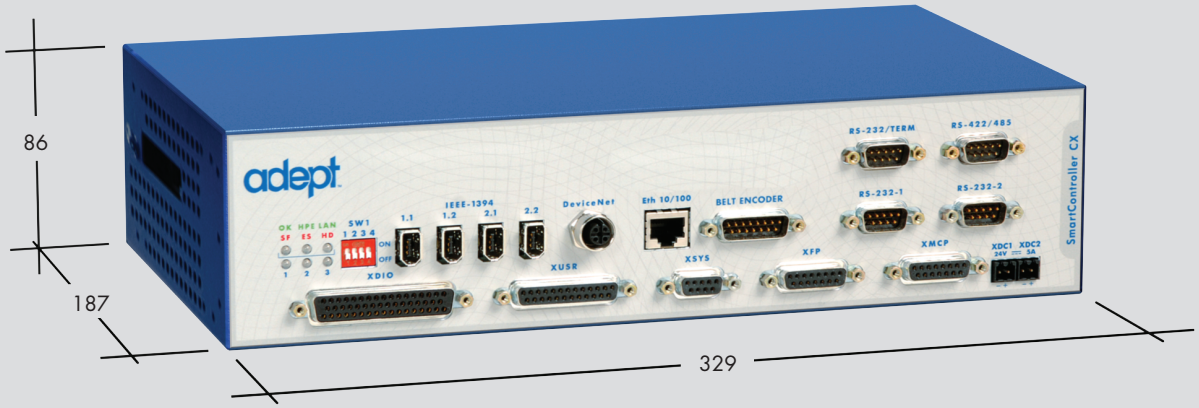
Product Features and Benefits

- Controls up to 15 robots with a single controller (up to 24 axes)
- Built on IEEE-1394 distributed control system architecture to enable plug-in scalability
- V+ embedded real-time operating system to deliver high performance
- Adept SmartMotion™ system provides integrated motion control capabilities for third-party robots, feeders, and servo-controlled conveyors
- Ultra-compact form factor for high footprint efficiency
- Integration with the Adept SmartVision™ to ensure seamless control of vision system, belts, and robots
- Integrated dual-channel safety circuit
- Integration with Adept ACE to control complex mechanisms through a user-friendly interface
- ePLC Connect™ option enables user to connect to Allen Bradley's MicroLogix™ and ControlLogix® product lines.
- Front panel with E-Stop enables safe operation

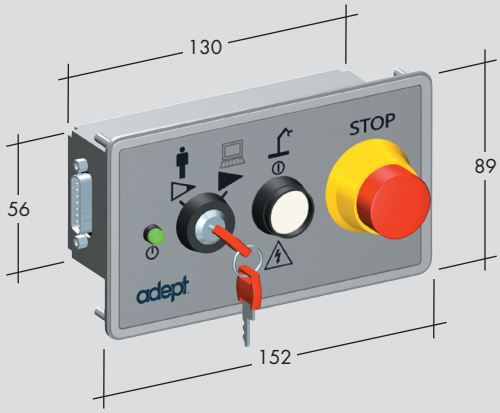
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Adept SmartController CX

Dimensions: Adept SmartController CX (mm)



Dimensions: Front panel (mm)



Optional T2 Manual Control Pendant:



The Adept T2 manual control pendant provides an ergonomic and durable package with which users can manually teach the robot system. All gripping and holding positions enable comfortable and fatigue-free operation. Select features include:

- Enable/disable power
- Jog the robot
- Teach locations
- Display robot position, digital I/O, and system status
- Display and edit global program variables
- E-Stop button and 3-position enable switch

Options:

- Adept SmartVision EX machine vision processor (optimized to run Adept ACE)
- AdeptSight™ vision guidance and inspection software
- ACE PackXpert™ application software
- Adept AIM and V+ software license
- Conveyor-tracking option
- T2 manual control pendant
- sMI6 SmartMotion interface
- sDIO I/O expansion (32 digital input and 32 digital output channels)

Downloads:

- Download CAD files for the Adept SmartController CX and Front panel from http://www.adept.com/support/downloads/file-search using the following download IDs:

SmartController CX	136358
Front panel	135905

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Specifications subject to change without notice.

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