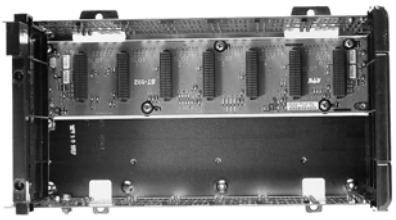


1756 ControlLogix Chassis Specifications

Standard Catalog Numbers 1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17

ControlLogix-XT Catalog Numbers 1756-A5XT, 1756-A7LXT

The ControlLogix system is a modular system that requires a 1756 I/O chassis. All of the chassis are designed for horizontal-only, back-panel mounting. Place any module into any slot. The backplane provides a high-speed communication path between modules.

AutoCAD product drawings are available at http://www.rockwellautomation.com/en/e-tools/drawings.html

1756 Standard Chassis

The chassis backplane provides a high-speed communication path between modules and distributes power to each of the modules within the chassis.

Environmental Specifications - 1756 Standard Chassis

Attribute	1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	0…60 °C (32…140 °F)
Temperature, storage IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock)	-40…85 °C (-40…185 °F)
Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Nonoperating Damp Heat)	5…95% noncondensing
Vibration IEC 60068-2-6 (Test Fc, Operating)	2 g @ 10…500 Hz
Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	30 g
Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	50 g

Technical Specifications - 1756 Standard Chassis

Attribute	1756-A4	1756-A7	1756-A10	1756-A13	1756-A17
Backplane current, chassis/slot max @ 1.2V DC	1.5 A/1.5 A				
Backplane current, chassis/slot max @ 3.3V DC	4 A/4 A				
Backplane current, chassis/slot max @ 5.1V DC	15 A/6 A				
Backplane current, chassis/slot max @ 24V DC	2.8 A/2.8 A				
Power dissipation	6.1 BTU/hr				
Power consumption	1.8 W				
Slots	4	7	10	13	17
Mounting method	Horizontal only				
Dimensions (WxHxD), approx.[1]	263 x 169 x 145 mm (10.35 x 6.65 x 5.71 in.)	368 x 169 x 145 mm (14.49 x 6.65 x 5.71 in.)	483 x 169 x 145 mm (19.0 x 6.65 x 5.71 in.)	588 x 169 x 145 mm (23.15 x 6.65 x 5.71 in.)	738 x 169 x 145 mm (29.06 x 6.65 x 5.71 in.)
Cabinet size (WxHxD), min	507 x 507 x 203 mm (20 x 20 x 8 in.)	507 x 609 x 203 mm (20 x 24 x 8 in.)	762x 507 x 203 mm (30 x 20 x 8 in.)	762 x 609 x 203 mm (30 x 24 x 8 in.)	914 x 762 x 203 mm (36 x 30 x 8 in.)
Weight, approx.	0.75 kg (1.7 lb)	1.10 kg (2.4 lb)	1.45 kg (3.2 lb)	1.90 kg (4.2 lb)	2.20 kg (4.8 lb)
Location	Panel				
North American temperature code	T5				
IEC temperature code	T6				
Enclosure type rating	None (open-style)				

(1) Dimensions include mounting tabs and power supply. Depth with extended terminal housing (1756-TBE) is 160 mm (6.3 in.).

Certifications - 1756 Standard Chassis

Certification[1]	1756-A4, 1756-A7, 1756-A10, 1756-A13, 1756-A17
c-UL-us	UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
CSA	CSA Certified Process Control Equipment. See CSA File LR54689C. CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations. See CSA File LR69960C.
ATEX	European Union 94/9/EC ATEX Directive, compliant with: EN 60079-15; Potentially Explosive Atmospheres, Protection "n" (Zone 2)
CE	European Union 2004/108/IEC EMC Directive, compliant with: • EN 61326-1; Meas./Control/Lab., Industrial Requirements • EN 61000-6-2; Industrial Immunity • EN 61000-6-4; Industrial Emissions • EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
FM	FM Approved Equipment for use in Class I Division 2 Group A,B,C,D Hazardous Locations
TÜV	TÜV Certified for Functional Safety: up to and including SIL 2

(1) When marked. See the Product Certification link at http://www.ab.com for Declarations of Conformity, Certificates, and other certification details.

1756 ControlLogix-XT Chassis

The ControlLogix-XT products include control and communication system components that, when used with FLEX I/O-XT products, provide a complete control system solution that can be used in environments where temperatures range from -20...70 °C (-4...158 °F).

When used independently, the ControlLogix-XT system can withstand environments where the temperature ranges from -25...70 °C (-13...158 °F).

Environmental Specifications - 1756 ControlLogix-XT Chassis

Attribute	1756-A5XT, 1756-A7LXT
Temperature, operating IEC 60068-2-1 (Test Ad, Operating Cold), IEC 60068-2-2 (Test Bd, Operating Dry Heat), IEC 60068-2-14 (Test Nb, Operating Thermal Shock)	-25…70 °C (-13…158 °F)
Temperature, storage IEC 60068-2-1 (Test Ab, Unpackaged Nonoperating Cold), IEC 60068-2-2 (Test Bb, Unpackaged Nonoperating Dry Heat), IEC 60068-2-14 (Test Na, Unpackaged Nonoperating Thermal Shock)	-40…85 °C (-40…185 °F)
Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Nonoperating Damp Heat)	5...95% noncondensing
Vibration IEC 60068-2-6 (Test Fc, Operating)	2 g at 10…500 Hz
Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	30 g
Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	50 g

Technical Specifications - 1756 ControlLogix-XT Chassis

Attribute	1756-A5XT	756-A7LXT
Backplane current, chassis/slot max @ 1.2V DC	1.5 A/1.5 A	
Backplane current, chassis/slot max @ 3.3V DC	4 A/4 A	
Backplane current, chassis/slot max @ 5.1V DC	15 A/6 A	
Backplane current, chassis/slot max @ 24V DC	2.8 A/2.8 A	
Power dissipation	17 BTU/hr	
Power consumption	5 W	
Slots	5	7
Mounting method	Horizontal only	
Dimensions (WxHxD), approx.[1]	158 x 483 x 145 mm (6.22 x 19 x 5.71 in.)	158 x 368 x 145 mm (6.22 x 14.49 x 5.71 in.)
Cabinet size (WxHxD), min	507 x 507 x 203 mm (20 x 20 x 8 in.)	507 x 609 x 203 mm (20 x 24 x 8 in.)
Weight, approx.	1.45 kg (3.2 lb)	1.1 kg (2.4 lb)
Location	Panel	
Enclosure type rating	None (open-style)	

(1) Dimensions include mounting tabs and power supply. Depth with extended terminal housing (1756-TBE) is 160 mm (6.3 in.).

Certifications - ControlLogix-XT Chassis

Certification[1]	1756-A5XT, 1756-A7LXT
c-UL-us	UL Listed Industrial Control Equipment, certified for US and Canada. See UL File E65584. UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
ATEX	European Union 94/9/EC ATEX Directive, compliant with: EN 60079-15; Potentially Explosive Atmospheres, Protection "n" (Zone 2)
CE	European Union 2004/108/EC EMC Directive, compliant with: • EN 61000-6-4; Industrial Emissions • EN 61326-1; Meas./Control/Lab., Industrial Requirements • EN 61000-6-2; Industrial Immunity • EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions

(1) When marked. See the Product Certification link at http://www.ab.com for Declarations of Conformity, Certificates, and other certification details.

1756 Chassis Accessories

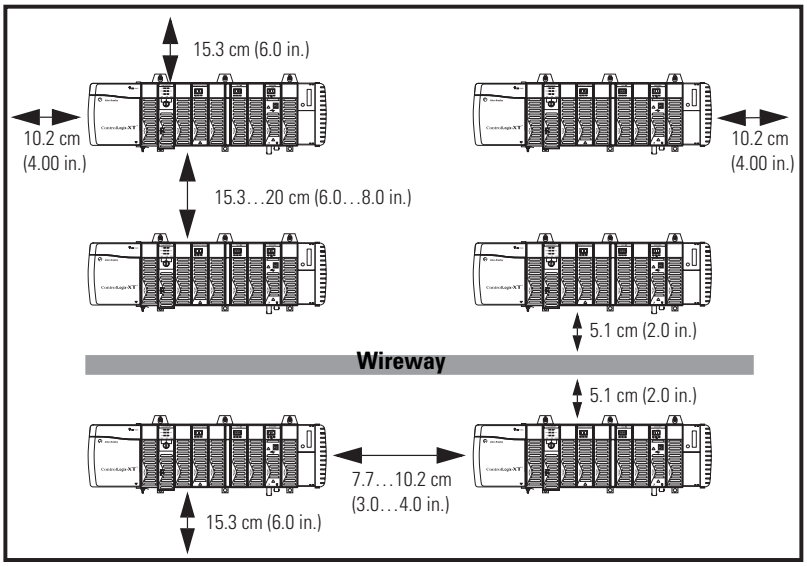
Use a slot filler module to fill empty slots.

Cat. No.	Description
1756-N2	Slot filler module for empty slots in standard ControlLogix chassis
1756-N2XT	Slot filler module for empty slots in ControlLogix-XT chassis

Spacing Requirements

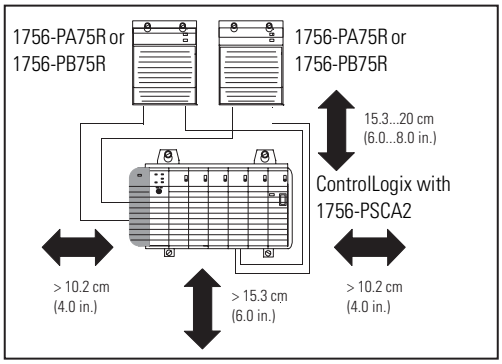
When you mount a chassis with a standard power supply in an enclosure, meet these spacing requirements.

Enclosure



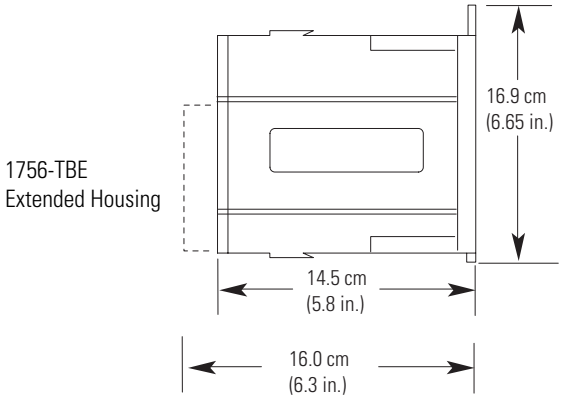
If you use a 1756-PSCA2 chassis adapter with a redundant power supply, follow the same spacing requirements as for a standard power supply. You need the clearance on the left of the chassis for cable access.

Enclosure

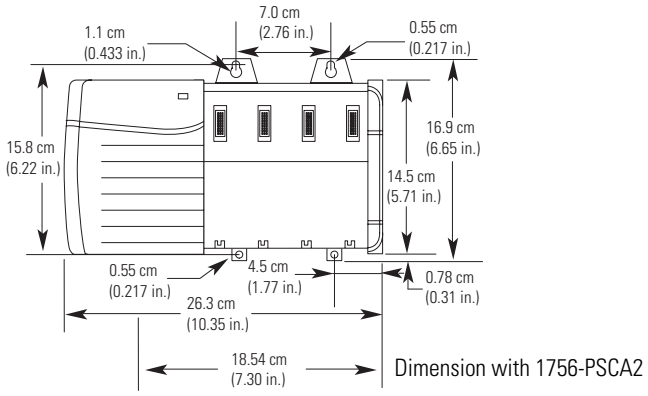


Standard Mounting Dimensions

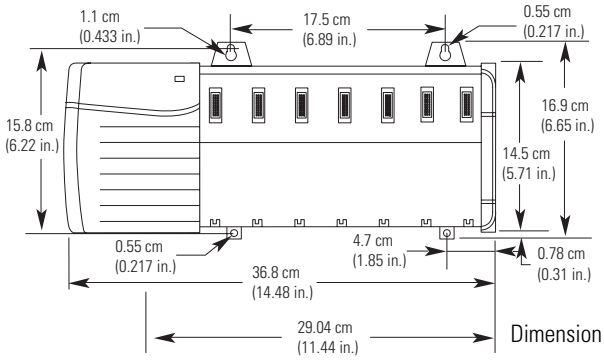
Right-side View of Standard Chassis



1756-A4 with Power Supply

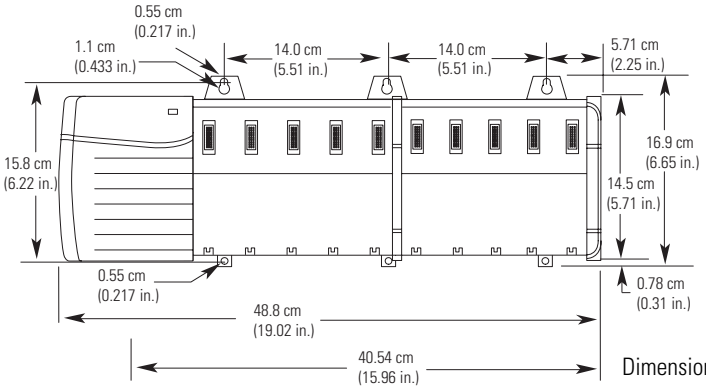


1756-A7 with Power Supply



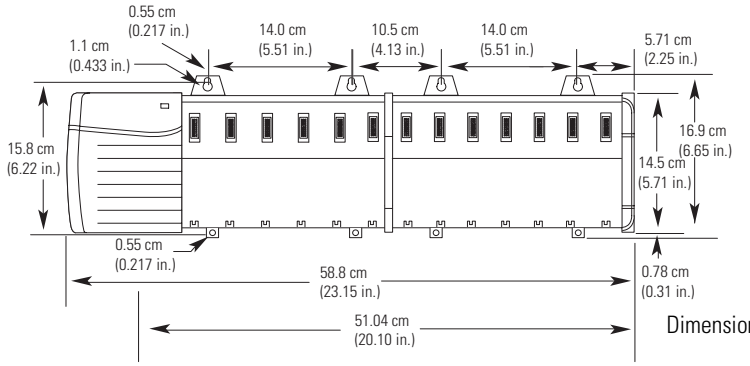
Dimension with 1756-PSCA2

1756-A10 with Power Supply



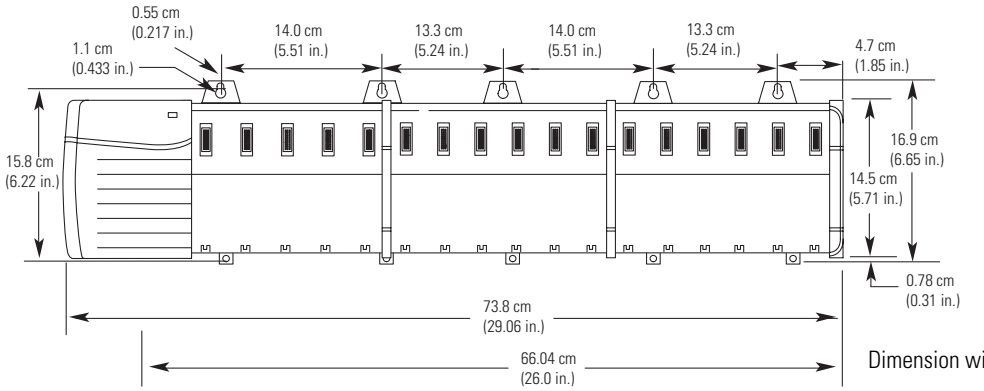
Dimension with 1756-PSCA2

1756-A13 with Power Supply



Dimension with 1756-PSCA2

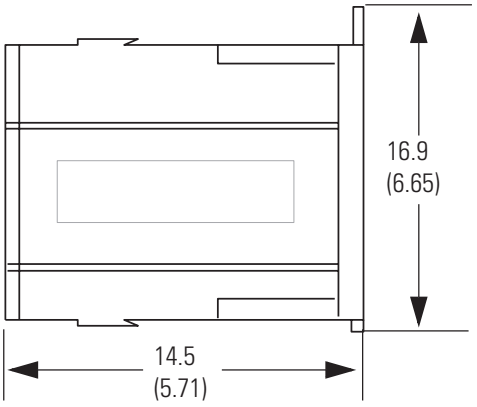
1756-A17 with Power Supply



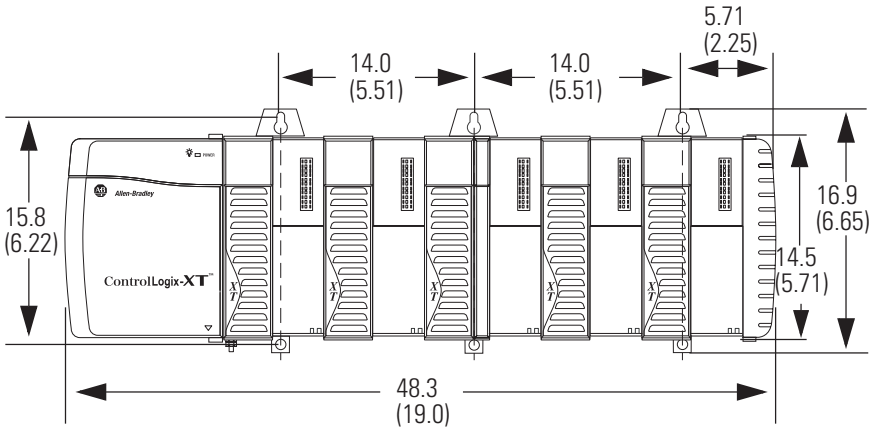
Dimension with 1756-PSCA2

XT Mounting Dimensions

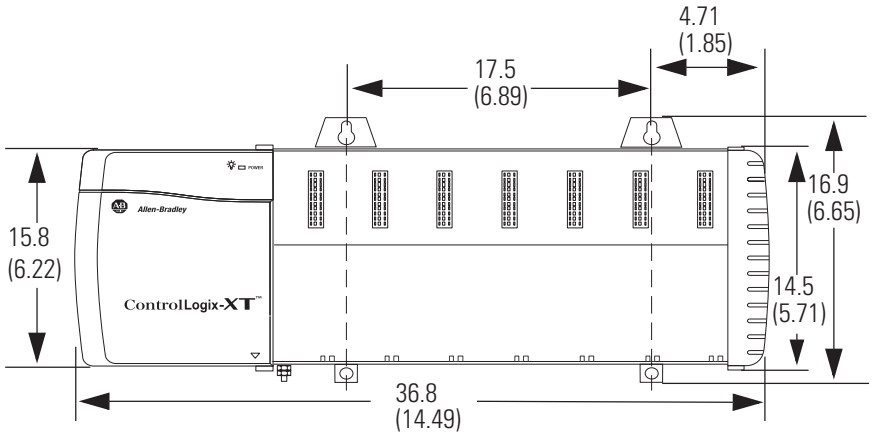
Right-side View of XT Chassis



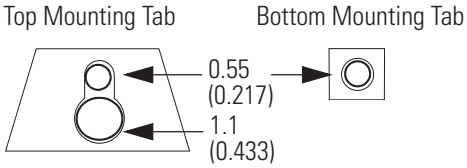
1756-A5XT with Power Supply



1756-A7LXT with Power Supply



XT Mounting Tab Dimensions



Notes:

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At http://support.rockwellautomation.com, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit http://support.rockwellautomation.com.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8am – 5pm EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor in order to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

www.rockwellautomation.com

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