



# VersaView 5000 Thin Clients, Industrial Computers, and Accessories for Hazardous Locations

Catalog Numbers 6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K, 6200T-NA, 6200T-NAK, 6200V-BXDIN, 6200V-BXLGCY, 6200V-BXMACH, 6200V-BXVESA, 6200V-BXWALL, 6200V-DCCONN, 6200V-DPCBL2M, 6200V-DPDVI2, 6200V-DPHDMI4K, 6200V-DPVG2, 6200V-DVICBL2M, 6200V-PLUGS, 6200V-USBCBL2M, and 6200V-VGACBL2M

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## Summary of Changes


This publication contains the following new or updated information. This list includes substantive updates only and is not intended to reflect all changes. Translated versions are not always available for each revision.

Topic	Page
Deleted the 6200P-NS3C6 catalog number from the document.	Throughout
Added the China (CCC) certification to the Hazardous Locations table.	3

## Installation Precautions

Follow these precautions before you install an Allen-Bradley® VersaView® 5000 device for hazardous locations.

### Environment and Enclosure Information



**ATTENTION:** This equipment is intended for use in a Pollution Degree 2 industrial environment, in overvoltage Category II applications (as defined in EN 60664-1), at altitudes up to 2000 m (6561 ft) without derating.


This equipment is UL Listed, and considered Group 1, Class A industrial equipment according to EN/CISPR 32. Without appropriate precautions, there can be potential difficulties with electromagnetic compatibility in other environments due to conducted and radiated disturbance. This equipment is supplied as an open type equipment. To meet some regulatory requirements, the equipment must be mounted in an enclosure that is suitably designed for environmental conditions that can be present and appropriately designed to help prevent personal injury resulting from accessibility to live parts. The interior of the enclosure must be accessible only by using a tool.

In addition to this publication, see the following:

- Publication [1770-4.1](#), Industrial Automation Wiring and Grounding Guidelines, for more installation requirements
- NEMA 250 and EN 60529, as applicable, for explanations of the degrees of protection that are provided by enclosures

### European Union Directive

VersaView 5000 devices for hazardous locations meet the European Union Directive requirements when installed within the European Union or EEA regions and have the CE marking. A copy of the declaration of the conformity is available at the Rockwell Automation® [Product Certifications website at https://www.rockwellautomation.com/en-us/support/documentation/product-certifications.html](https://www.rockwellautomation.com/en-us/support/documentation/product-certifications.html).



**ATTENTION:** This equipment is intended to operate in an industrial or control room environment, which uses some form of power isolation from the public low-voltage mains.



To comply with EN 55024 and EN 55032, all cables, except for the Ethernet cables, must be used indoors. These cables cannot exit the building at any point and cannot directly connect to cables outside the building. All I/O cables, except for the Ethernet cables and serial port (COM) cables, must be less than 3 m (9.842 ft).

To comply with EN 55024 and EN 55032, use the following cable types.

Cable Type	Required Attribute	Cable Type	Required Attribute
LAN	Shielded	HDMI	Shielded
USB		VGA	
Serial RS-232		Line out	Unshielded
DVI		Line in	
DisplayPort		Microphone	
Mini-DisplayPort		DC power	

## Hazardous Locations

VersaView 5000 devices for hazardous locations are suitable for these location categories.

Cat. Nos. <sup>(1)</sup>	Region	Rating	Temperature Range
6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K, 6200T-NA, 6200T-NAK	United States	Class I Division 2, Groups A, B, C, D T4	-20 °C ≤ T <sub>a</sub> ≤ +60 °C <sup>(2)</sup> (-4 °F ≤ T <sub>a</sub> ≤ +140 °F)
		Class I Zone 2, IIC, T4	
	Canada	Class I Division 2, Groups A, B, C, D T4	
		Class I Zone 2, IIC, T4	
	Europe (ATEX)	 II 3 G, Ex ec IIC T4 Gc, DEMKO 19 ATEX 2252 X	
	United Kingdom (UK)	 II 3 G, Ex ec IIC T4 Gc, UL21UKEX2323X	
	China (CCC)	II 3 G, Ex ec IIC T4 Gc, KGE 2021122309114608	

(1) **Conditions for Safe Use**

The following applies to VersaView 5000 thin client and industrial computers for hazardous locations:

- The equipment shall only be used in an area of not more than Pollution Degree 2, as defined in EN 60664-1.
- The equipment shall be installed in a tool-only accessible enclosure that provides a degree of protection not less than IP54 in accordance with EN 60079-0.
- Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- The internal enclosure ambient temperature range is -20...+60 °C (-4...+140 °F).

- (2) These ThinManager thin client and industrial computers for hazardous locations are required to be mounted in a restricted access location.

The following statement applies to applications in which the VersaView 5000 device is used in a hazardous location.

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**WARNING:** Explosion Hazard

- This equipment is not suitable for use in locations where children are likely to be present.
  - Substitution of components can impair suitability for hazardous locations.
  - Do not disconnect equipment unless power has been switched off and the area is known to be non-hazardous.
  - Do not connect or disconnect components unless power has been switched off.
  - Use only peripheral equipment that is suitable for hazardous locations. For a list of suitable peripheral equipment, see the table in [Accessories and Replacement Parts on page 6](#).
  - In the U.S., all wirings must be in accordance with Class I, Division 2 wiring methods of Article 501 of the National Electrical Code, and in accordance with the authority having jurisdiction. For power wiring requirements, see the table in [Installation Guidelines on page 8](#).
  - In Canada, all wirings must be in accordance with Section 18-1J2 of the Canadian Electrical Code, and in accordance with the authority having jurisdiction. For power wiring requirements, see the table in [Installation Guidelines on page 8](#).
  - In final applications, properly connect these devices to ground by using the ground terminal screw on the device chassis, the ground screw on the factory-installed mounting bracket, or the ground terminal on the terminal block.
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*Restricted Access Location*

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**ATTENTION:** VersaView 5000 devices for hazardous locations must be installed in a restricted access location.

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Verify that restricted access locations meet these conditions for the VersaView 5000 devices for hazardous locations:

- Access is gained only by service personnel or by users who have been instructed on the reasons for restrictions to a location and about any precautions to be taken.
- Access is by using a tool, a lock and key, or other means of security controlled by the authority responsible for the location.

## Environnements dangereux

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**ATTENTION:** This page is a French translation of portions of the [Hazardous Locations](#) section on [page 3](#) to comply with certification agency requirements.

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Cet équipement peut être utilisé dans les environnements suivants :

- Classe I, Division 2, Groupes A, B, C et D .
- non dangereux.

La mise en garde suivante s'applique à une utilisation en environnement dangereux.

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**ATTENTION: Danger d'explosion**

- Cet équipement ne convient pas à une utilisation dans des lieux pouvant accueillir des enfants.
  - La substitution de composants peut rendre cet équipement impropre à une utilisation en environnement dangereux.
  - Ne pas déconnecter l'équipement sans s'être assuré que l'alimentation est coupée et que l'environnement est classé non dangereux.
  - L'équipement périphérique doit être adapté à l'environnement dans lequel il est utilisé. Pour une liste d'équipements périphériques appropriés, voir le tableau dans [Accessoires et pièces de rechange à la page 5](#).
  - L'ensemble du câblage doit être conforme à la réglementation en vigueur dans le pays où cet équipement est installé. Pour les exigences de câblage de puissance, voir le tableau dans [Lignes directrices sur l'installation à la page 7](#).
  - Tout équipement utilisé en environnement dangereux doit être monté dans une armoire fournissant une protection adaptée aux conditions d'utilisation ambiantes et suffisante pour éviter toute blessure corporelle pouvant résulter d'un contact direct avec des composants sous tension.
  - Dans les applications finales, connectez correctement ces appareils au sol à l'aide de la vis terminale sur le plancher du châssis de l'appareil ou du support de montage installé en usine.
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Les ordinateurs ont un code de température T4 (135 °C) lorsqu'ils fonctionnent dans les températures ambiantes maximales. Voir également le graphique Directives d'installation en [page 8](#) de ce document.

N'installez pas l'ordinateur dans des environnements atmosphériques explosifs (par ex. du gaz) dont la température d'inflammabilité est inférieure à 135 °C.

## VersaView 5000 Thin Client and Industrial Computer Options

This table summarizes the options that are available for VersaView 5000 devices for hazardous locations. A comparative summary of features is in [Technical Specifications on page 24](#).

Cat. No.	NDM Model	MLC SSD Storage Size	DC Power	I/O Ports	Microsoft Windows® OS (64 bit)
6200P-NS3A1, 6200P-NS3A1K	Industrial Computer	128 GB	12...24V	<ul style="list-style-type: none"><li>1 x USB 3.0 Type A port</li><li>2 x USB 2.0 Type A ports</li><li>1 x RS-232, DB9 port</li><li>2 x Ethernet RJ45 LAN ports, 1 Gb each</li></ul>	7 Professional SP1
6200P-NS3B1, 6200P-NS3B1K					Embedded Standard 7
6200P-NS3C1, 6200P-NS3C1K					10 IoT Enterprise
6200T-NA, 6200T-NAK	Thin Client	—			— <sup>(1)</sup>

(1) Cat. Nos. 6200T-NA and 6200T-NAK are thin client devices for use with ThinManager® software.

## Accessories and Replacement Parts

The following table lists the accessories that are available for VersaView 5000 devices for hazardous locations.

Category	Cat. No.	Description
Mounting hardware	6200V-BXDIN	DIN rail mounting kit
	6200V-BXLGCY	Legacy mounting plate
	6200V-BXMACH	Machine mounting bracket kit
	6200V-BXVESA	VESA mounting plate
	6200V-BXWALL	Bookshelf mounting plate
Cables, adapters, and I/O accessories	6200V-DPCBL2M	DisplayPort to DisplayPort cable, 2 m (6.5 ft) long
	6200V-DPDVI2	DisplayPort to DVI-D active adapter
	6200V-DPHDMI4K	DisplayPort to HDMI active adapter
	6200V-DPVGA2	DisplayPort to VGA active adapter
	6200V-DVICBL2M	DVI-D to DVI-D cable, 2 m (6.5 ft) long
	6200V-PLUGS	Protective I/O port dust caps
	6200V-USBCBL2M	USB touch screen cable, 2 m (6.5 ft) long
	6200V-VGACBL2M	VGA to VGA cable, 2 m (6.5 ft) long
Power connection	6200V-DCCONN	DC power mating connector housing kit

To install many of these accessories, see [Install Accessories for Hazardous Locations on page 14](#).



**ARC FLASH HAZARD:** Do not connect or disconnect any accessories to VersaView 5000 devices for hazardous locations unless power has been switched off and the area is known to be non-hazardous.

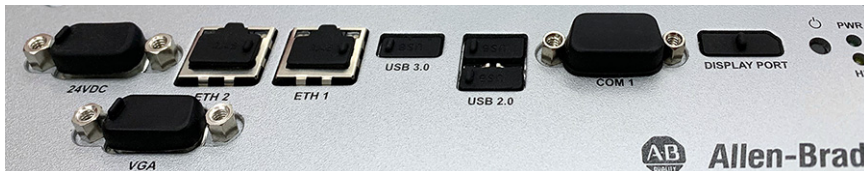
Before power is switched on, verify that any adapter, cable, or power connection accessory is fully inserted in its port. For adapter and cable accessories, verify that latches are engaged, and any screws are fully engaged and tightened.

Failure to do so could result in an electric arc that can cause an explosion in a hazardous location.

### *Protective I/O Port Dust Caps (Cat. No. 6200V-PLUGS)*

Protective I/O port dust caps are for hazardous locations where airborne chemicals or other particulates can damage exposed I/O ports and later affect their reliability. An ordered kit supplies dust caps for each I/O port as detailed in [Figure 3 on page 12](#).

The four VersaView 5000 models with conformal coating (Cat. Nos. 6200P-NS3A1K, 6200P-NS3B1K, 6200P-NS3C1K, and 6200T-NAK) are shipped with these protective I/O dust caps installed.



## Operating Systems

For a list of available Microsoft-licensed 64-bit operating systems, see the table in [VersaView 5000 Thin Client and Industrial Computer Options on page 6](#).

No operating system updates have been applied to the factory image beyond any listed service packs.

To obtain a copy of a factory system image, access the Rockwell Automation® Product Compatibility and Download Center (PCDC) at <https://compatibility.rockwellautomation.com/Pages/home.aspx>.

## Before You Begin

Before you unpack the VersaView 5000 device for hazardous locations, inspect the shipping carton for damage. If damage is visible, immediately contact the shipper and request assistance. Otherwise, continue to unpack.

Keep the original packing material in case you must return the VersaView 5000 device for repair or transport it to another location. If returned for service, use any inner and outer packing cartons to provide adequate protection.

## Parts List

VersaView 5000 devices for hazardous locations ship with the following items.

Item	Description
Hardware	DC terminal block Four rubber mount pads <sup>(1)</sup>
Documents	This publication

(1) The supplied pads cannot be used as a mounting method in hazardous locations.

## Installation Guidelines

Follow these guidelines to make sure that your VersaView 5000 device for hazardous locations provides service with excellent reliability:

- The installation site must have sufficient power.



**ATTENTION:** For applications with an AC power source, the shipped AC-to-DC power adapter must be plugged into a grounded outlet to maintain an electrically safe installation.

**An AC power supply cannot be used in a hazardous location.**

- Verify that the DC power wires meet these requirements:

Attribute	Requirement
Wire material	Stranded copper
Wire gauge <ul style="list-style-type: none"><li>To connect to DC terminal block</li><li>To connect to earth ground</li></ul>	<ul style="list-style-type: none"><li>0.326...3.31 mm<sup>2</sup> (22...12 AWG)</li><li>1.5 mm<sup>2</sup> (16 AWG) or larger</li></ul>
Wire temperature rating, min	72° C (162° F)
Torque values <ul style="list-style-type: none"><li>To connect wires to DC terminal block</li><li>To connect to earth ground<sup>(1)</sup></li></ul>	<ul style="list-style-type: none"><li>0.22...0.25 N•m (1.95...2.21 lb•in)</li><li>3.1 N•m (2.29 lb•in)</li></ul>

(1) On either computer chassis or factory-installed bookshelf mounting bracket.

- In dry environments, static charges can build up easily. Proper grounding helps to reduce static discharges, which can cause shock and damage electronic components.
- The ambient air temperature must not exceed the maximum operating temperature of 60 °C (140 °F).
- The relative humidity of the ambient air must not exceed 95% @ 40 °C (104 °F), and must avoid condensation.
- Do not remove the mounting plate on a VersaView 5000 device for hazardous locations unless you replace it with another mounting plate.



## Enclosure Guidelines

- The enclosure must allow sufficient space around air inlets and outlets to provide the circulation necessary for cooling. For further information, see [Mounting Clearance Requirements on page 9](#). Never allow air passages to become obstructed.
- Hot air rises. The temperature at the top of the enclosure is often higher than the temperature in other parts of the enclosure, especially if air is not circulating.
- Consider a user-supplied fan, heat exchanger, or air conditioner for heat generated by other devices in the enclosure. The acceptable temperature range for these VersaView 5000 devices for hazardous locations is -20...+60 °C (-4...+140 °F).

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<b>IMPORTANT</b>	In hazardous locations, VersaView 5000 devices must be rated for the environment in which they are to be used.
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## Mounting Clearance Requirements

To help prevent overheating and to provide access to the I/O ports for cable connections, leave at least 5 cm (2 in.) of free space around the VersaView 5000 devices for hazardous locations.

Do not obstruct the air intake, exhaust openings, or cooling fins of the cover.

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<b>IMPORTANT</b>	<p>VersaView 5000 devices for hazardous locations generate heat. Therefore, provide adequate ventilation or other cooling methods to lower the temperature within an enclosure if the following is likely:</p> <ul style="list-style-type: none"><li>• The minimum space clearance of 5 cm (2 in.) is used around the VersaView 5000 device.</li><li>• The enclosure can exceed the rated maximum temperature of 60 °C (140 °F) for the VersaView 5000 device.</li></ul>
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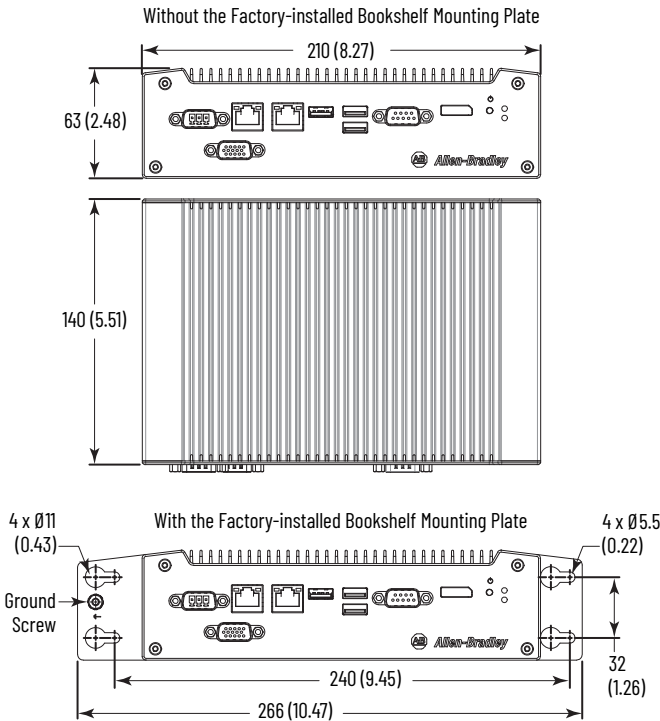
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# Dimensions

Review the following dimensions to estimate the clearance that is necessary for installation.

Dimensions are given in mm (in.).

Figure 1 - Dimensions for VersaView 5000 Devices for Hazardous Locations



**IMPORTANT** The supplied rubber mount pads cannot be used as a mounting method in hazardous locations.

## Tools for Installation

You need the following tools to install the VersaView 5000 devices for hazardous locations:

- #2 cross-head screwdriver
- Drill motor and drill bit (for wall, machine, and table mounting)
- T10 Torx key or screwdriver (to install optional brackets)
- Anti-static wriststrap

## Install the VersaView 5000 Device in a Hazardous Location

VersaView 5000 devices for hazardous locations ship with a factory-installed mounting plate for wall mounting. Instructions for other available mounting plates and mounting options are detailed in [Install Accessories for Hazardous Locations on page 14](#).

Follow these steps to mount a VersaView 5000 device for hazardous locations.

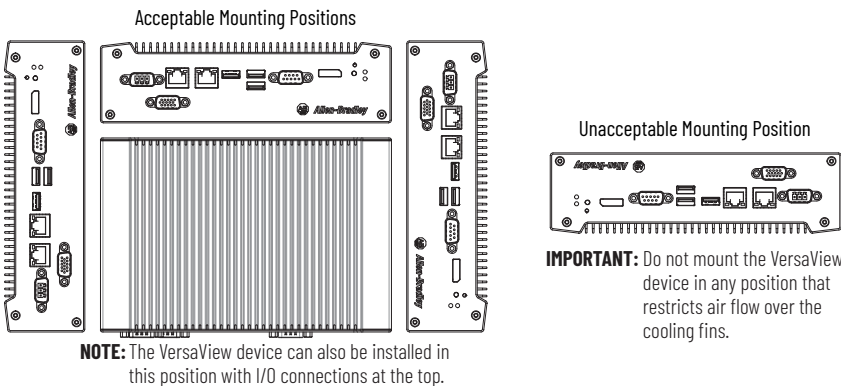
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**IMPORTANT** Certain mounting restrictions apply. See [Figure 2](#) for details.

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1. Verify that the power is disconnected.
2. Depending on your application, drill holes to accommodate customer-supplied M5 pan head screws. See [Figure 1 on page 10](#) for mounting hole locations and dimensions.
3. Mount the VersaView 5000 device by using four customer-supplied M5 pan head screws. Tighten to a torque that is appropriate for the screw quality and mounted surface material.

**Figure 2 - Acceptable and Unacceptable Mounting Positions**



# Hardware Features

This section shows the hardware features of VersaView 5000 devices for hazardous locations.

Figure 3 - Hardware Features of VersaView 5000 Devices for Hazardous Locations



Item	Component
1	12...24V DC power input connection
2	2 x Ethernet LAN port
3	USB 3.0 port
4	2 x USB 2.0 port

Item	Component
5	Serial COM port, RS-232
6	DisplayPort <sup>(1)</sup>
7	Power light-emitting diode (LED)
8	SSD light-emitting diode (LED)

Item	Component
9	Power button
10	VGA port
11	Ground stud

(1) Audio output/line out supported.

## Connect Power

VersaView 5000 devices for hazardous locations are factory shipped to be connected to a 12...24V DC power source.

The power supply for all VersaView DC-powered models must meet the requirements for ES1/PS2 (according to IEC 62368-1:2014). To determine if your model is ES1 or PS2 rated, see the product label.

L'alimentation électrique de tous les modèles alimentés par VersaView DC doit répondre aux exigences ES1/PS2 (selon IEC 62368-1:2014). Pour savoir si votre modèle est certifié ES1 ou PS2, veuillez consulter l'étiquette du produit.

**ATTENTION:** When you connect power to the VersaView 5000 device for hazardous locations for the first time, these actions occur:

- The default UEFI setting automatically starts the VersaView 5000 device after it is plugged into a power source.
- For VersaView 5000 devices with a Windows operating system (OS), you must read and accept an End User Setup procedure.

Do not disconnect power from the system until after the Windows Setup procedure is completed. If power is disconnected during this procedure, it can result in a corrupted system image.

Operate VersaView 5000 devices for hazardous locations in an industrial or control room environment, which uses some form of power isolation from the public low-voltage mains.



**ATTENTION:** Supply the circuit with its own disconnect for all VersaView 5000 devices for hazardous locations. Use an uninterruptible power source (UPS) to help protect against unexpected power failure or power surges. For VersaView 5000 devices with a Windows OS, always shut down the Windows OS before you disconnect power to the device to minimize performance degradation and operating system failures.

## Connect DC Power

VersaView computers and thin clients for hazardous locations are designed such that the DC input (-) is internally connected to the chassis ground.

To minimize ground loop currents and noise, Allen-Bradley recommends that DC powered models use only one grounded connection. On VersaView thin clients and computers with bookshelf mounting brackets, a ground screw is on one end of the bracket. See [Hardware Features on page 12](#) for the ground screw location.

The power supply is internally protected against reverse polarity.

Follow these steps to connect the VersaView 5000 device to a DC power source.



The following steps are to wire and attach the DC terminal block that is supplied with the VersaView 5000 device for hazardous locations (shown in [step 3](#)).

An optional DC connector shown at right, Cat. No. 6200V-DCCONN, can be used instead of the DC terminal block.

The supplied terminal block and the optional DC connector are both approved for use in hazardous locations.



1. Turn off the main power switch or breaker.
2. Verify that the DC power wires meet the requirements in the table in [Installation Guidelines on page 8](#).
3. Insert each DC power wire into the correct terminal on the supplied DC terminal block.

See the DC power input connector on the VersaView 5000 device for which wires to connect to the DC terminal block.



The photo on left is the DC power input connector on the VersaView 5000 devices for hazardous locations.

The photo on right is the supplied DC terminal block installed in the same DC power input connector (shown without wires connected).

4. Torque each power wire to the values in the table in [Installation Guidelines on page 8](#).
5. Connect the DC terminal block to the DC power input.

6. Connect the VersaView 5000 device to earth ground with a ground wire that meets the requirements in the table in [Installation Guidelines on page 8](#).

Use a ground wire with an insulation color that is approved by local inspection authority.



The factory-installed bookshelf mounting bracket has a ground screw on one end of the bracket, as shown at right. Use this ground screw to connect the VersaView 5000 device to earth ground.



7. Apply 12...24V DC power to the VersaView 5000 device.

## Install Accessories for Hazardous Locations

To install any accessories to VersaView 5000 devices, perform the steps in the following sections.

### Disconnect Power

Disconnect all power to the VersaView 5000 device for hazardous location before you install or remove components.



**ARC FLASH HAZARD:** Disconnect all power to VersaView 5000 devices for hazardous locations and verify that the area is non-hazardous. Failure to do so could result in an electric arc that can cause an explosion in a hazardous location.



**SHOCK HAZARD:** Disconnect all power before you remove components. Failure to do so can result in severe electrical shock to an individual or damage to the equipment.

### Pre-configuration



**ATTENTION:** Make sure to read and understand all installation and removal procedures before you configure any hardware component.

Follow these steps before you remove or install a hardware component.

1. Shut down the VersaView 5000 device and all peripherals that are connected to it.
2. To avoid exposure to high energy levels, disconnect all cables from power outlets. If necessary, label each cable to expedite reassembly.
3. Disconnect all peripheral cables from the I/O ports.

4. If the VersaView 5000 device is table or wall mounted, loosen the mounting screws.  
Remove the VersaView 5000 device from its mounting.

## Post-configuration

Follow these steps after you install or replace a hardware component.

1. If the VersaView 5000 device was wall, table, or machine mounted, reinstall it to its mounting.  
Tighten the four customer-supplied M5 pan head screws to a torque that is appropriate for the screw quality and mounted surface material.
2. Reinstall any peripherals and system cables that were previously removed.
3. Reconnect all external cables and power to the VersaView 5000 device.
4. To start the VersaView 5000 device, press the power switch.

## Required Tools

The following tools are required to install or replace a component:

- The appropriate tools for wall or machine mounting
- Torx 10 key or screwdriver

## Replace a Factory-installed Bookshelf Mounting Plate (Cat. No. 6200V-BXWALL)

To replace the factory-installed bookshelf mounting plate with a new mounting plate, perform the following steps.

1. Follow the steps for [Pre-configuration on page 14](#).
2. With the Torx 10 key or screwdriver, remove these two screws on the bottom of the VersaView 5000 device.



3. Remove the four screws that secure the factory-installed mounting plate to the back of the VersaView 5000 device.



4. Install the new mounting plate with the four screws that you removed in [step 3](#).



For this step and [step 5](#), tighten the reinstalled Torx screws to a torque of 0.5 ft•lb (0.7 N•m).

5. Reinstall the two screws that you removed in [step 2](#).
6. Follow the steps for [Post-configuration on page 15](#).

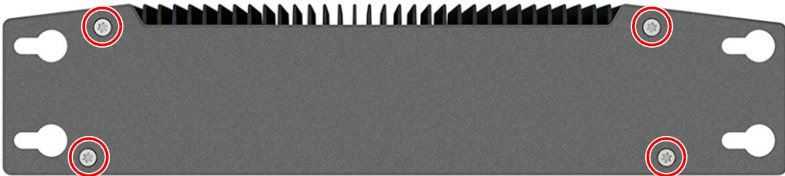
## Install the VESA Mounting Plate (Cat. No. 6200V-BXVESA)

To install a VESA mounting plate, perform the following steps.

1. Follow the steps for [Pre-configuration on page 14](#).
2. With the Torx 10 key or screwdriver, remove these two screws on the bottom of the VersaView 5000 device.



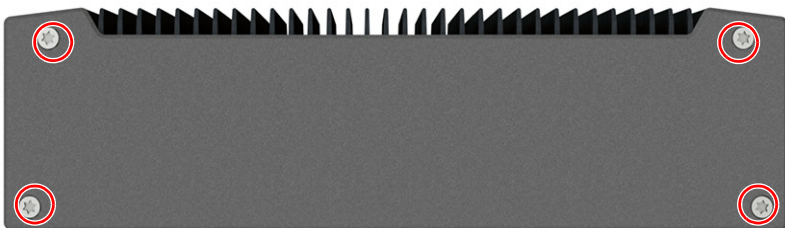
3. Remove the four screws that secure the factory-installed mounting plate to the back of the VersaView 5000 device.



4. Install the new backplate supplied with the VESA mounting bracket kit with the four screws that you removed in [step 3](#).



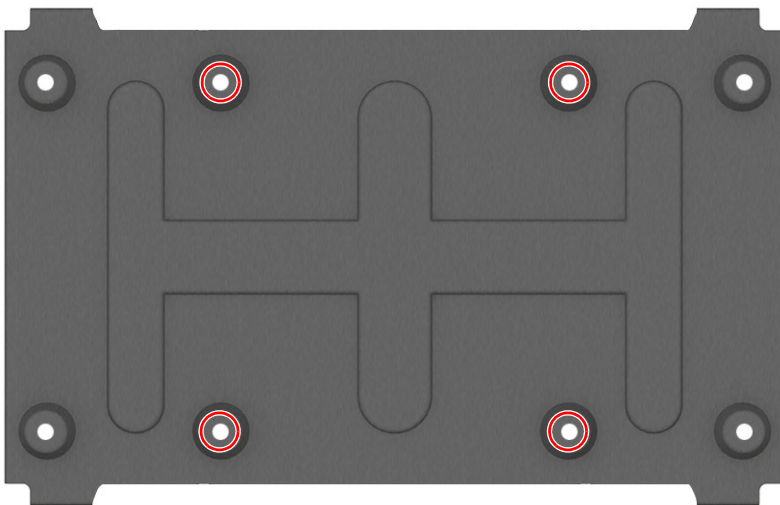
For this step and [step 5](#), tighten the reinstalled Torx screws to a torque of 0.5 ft•lb (0.7 N•m).



5. Reinstall the two screws that you removed in [step 2](#).



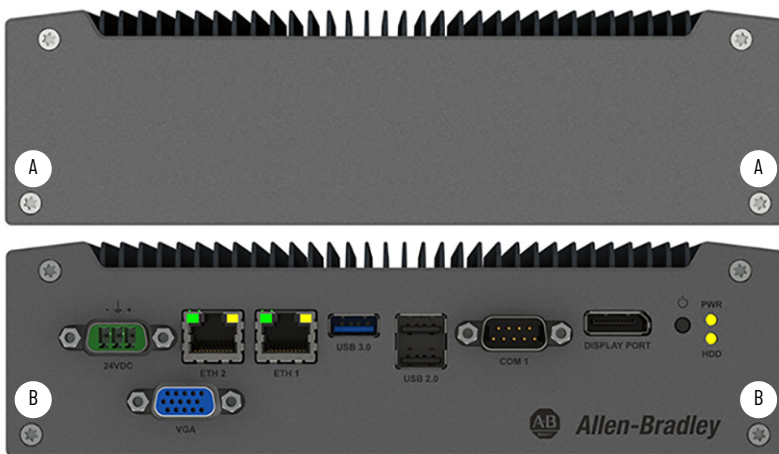
6. With four customer-supplied screws, install the VESA mounting bracket to the VESA mounting arm.



7. Remove the two screws (A) from the top of the VersaView 5000 device.
8. Remove two screws (B) from the bottom of the VersaView 5000 device.



Cat. No. 6200T-NA model is used for illustrative purposes in steps [8](#) and [9](#).



9. Install the VersaView 5000 device to the VESA mounting bracket with the four screws that you removed in steps 7 and 8.  
Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).



10. Follow the steps for [Post-configuration on page 15](#).

## **Install the DIN Rail Mounting Kit (Cat. No. 6200V-BXDIN)**

To install a DIN rail mounting kit, perform the following steps.

1. Follow the steps for [Pre-configuration on page 14](#).
2. With the Torx 10 key or screwdriver, remove these two screws on the bottom of the VersaView 5000 device.



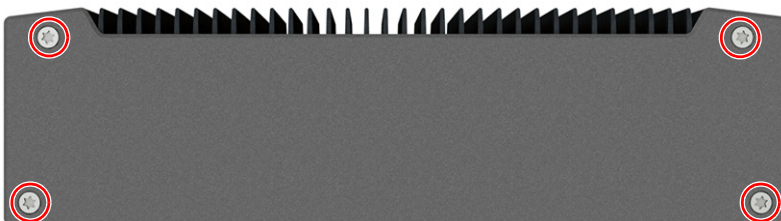
3. Remove the four screws that secure the factory-installed mounting plate to the back of the VersaView 5000 device.



4. Install the new backplate from the DIN rail mounting kit with the four screws that you removed in [step 3](#).



For this step and [step 5](#), tighten the reinstalled Torx screws to a torque of 0.5 ft•lb (0.7 N•m).



5. Reinstall the two screws that you removed in [step 2](#).
6. Locate these two holes on the back of the VersaView 5000 device.



To locate these holes, verify that the newly installed backplate is at the top of the device and the I/O ports are at the bottom.



7. From the kit, install the DIN rail mounting bracket with the two supplied screws. Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).



8. Install the VersaView 5000 device on a DIN rail.
9. Follow the steps for [Post-configuration on page 15](#).

## Install the Machine Mounting Bracket Kit (Cat. No. 6200V-BXMACH)

To install the machine mounting bracket kit, perform the following steps.

1. Follow the steps for [Pre-configuration on page 14](#).
2. With the Torx 10 key or screwdriver, remove these two screws on the bottom of the VersaView 5000 device.

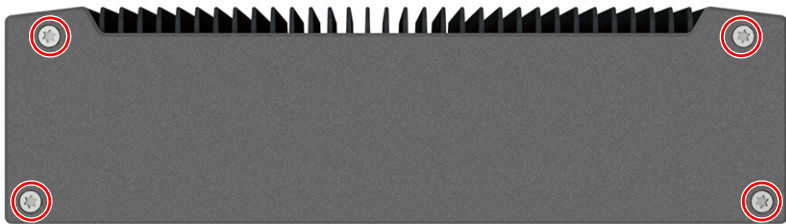


3. Remove the four screws that secure the factory-installed mounting plate to the back of the VersaView 5000 device.

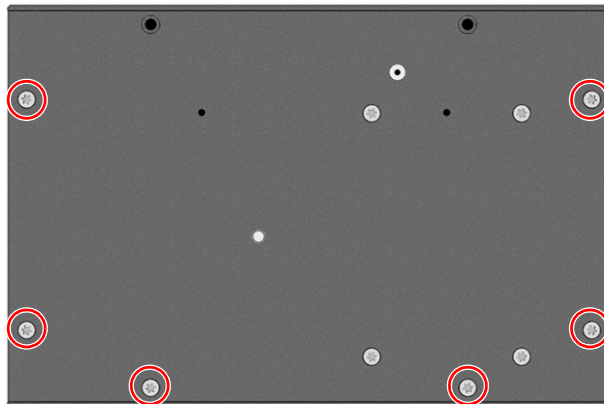


4. Install the new backplate from the machine mounting bracket kit with the four screws that you removed in [step 3](#).

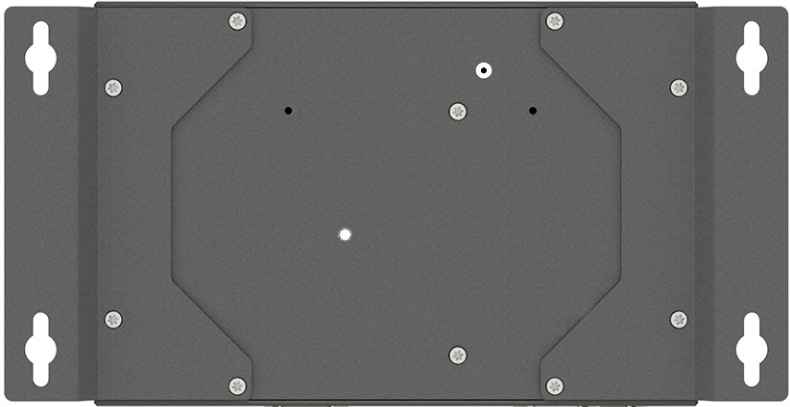
Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).



5. Remove these six Torx screws.

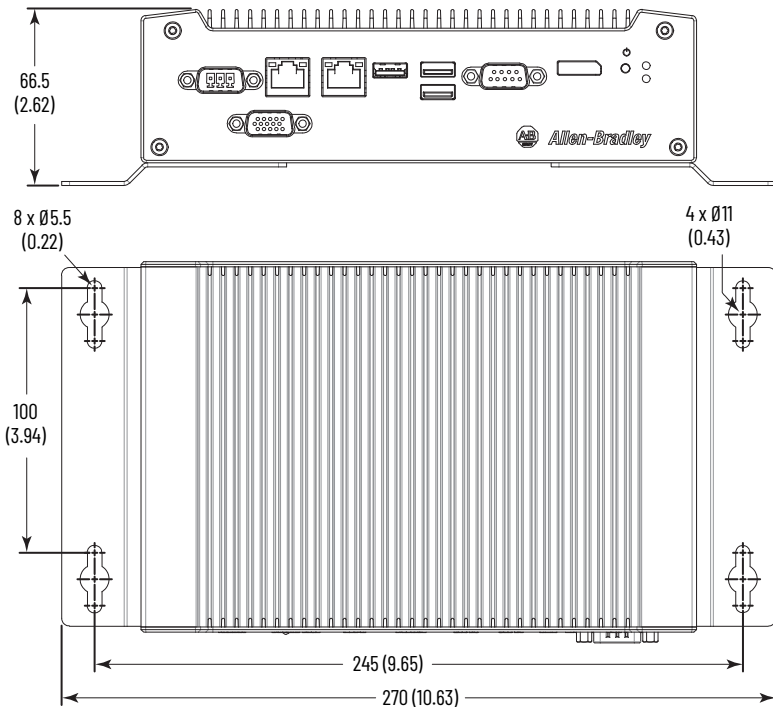


6. Install both brackets included in the kit with the eight screws that were removed in steps [2](#) and [5](#). Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).



7. Mount the machine mounting bracket with the appropriate tools and mounting hardware for the surface material.

The following dimensions are given in mm (in.).



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**IMPORTANT** For acceptable machine mounting positions, see [Figure 2 on page 11](#).

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8. Follow the steps for [Post-configuration on page 15](#).

## Install the Legacy Mounting Plate (Cat. No. 6200V-BXLGKY)

Install a legacy mounting plate when a VersaView 5000 device for hazardous locations replaces an Allen-Bradley® 6155R compact non-display computer.

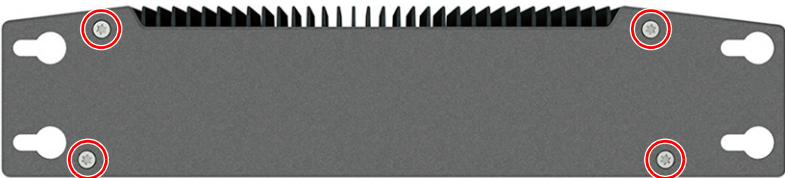
The legacy mounting plate reuses the mounting holes for the 6155R compact non-display computer, and reuses the mounting hardware.

To install a legacy mounting plate (Cat. No. 6200V-BXLGKY) on a VersaView 5000 device for hazardous locations, perform the following steps.

1. If not already done, remove the 6155R compact non-display computer by following the steps for [Pre-configuration on page 14](#).
2. With the Torx 10 key or screwdriver, remove these two screws on the bottom of the VersaView 5000 device.



3. Remove the four screws that secure the factory-installed mounting plate to the back of the VersaView 5000 device.



4. Install the legacy mounting plate with the four screws that you removed in [step 3](#).  
Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).




5. Reinstall the two screws that you removed in [step 2](#).  
Tighten the screws to a torque of 0.5 ft•lb (0.7 N•m).
6. Remove the four grommets from the mounting plate on the 6155R compact non-display computer.
7. Install the four grommets on the legacy mounting plate.



8. Align the holes on the legacy mounting plate of the VersaView 5000 device with the holes used to mount the 6155R compact non-display computer.
9. Use the supplied hardware to install the VersaView 5000 device.
10. Follow the steps for [Post-configuration on page 15](#).

# Ship or Transport VersaView 5000 Devices for Hazardous Locations

If you must ship a VersaView 5000 device for hazardous locations via common carrier or otherwise transport it to another location for any reason, then you must first uninstall the VersaView 5000 device and place it in its original packing material.



**ATTENTION:** Do not ship or transport a VersaView 5000 device for hazardous locations when it is installed in a machine or enclosure. Doing so can damage the VersaView 5000 device. You must uninstall the VersaView 5000 device and place it in its original packing material before shipping. Rockwell Automation is not responsible for any damage to a VersaView 5000 device for hazardous locations that is shipped or transported while installed in a machine or enclosure.

## Technical Specifications

### Hardware and Software Specifications

Specification	Attribute	6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K	6200T-NA, 6200T-NAK
Hardware	Processor	Intel Atom E3845, 1.91 GHz, quad core	Intel Atom E3815, 1.46 GHz, single core
	System memory	DDR3, soldered	DDR3, soldered
	Type	1	1
	Slots	4 GB	1 GB
	Installed	4 GB	1 GB
	Max		
Hardware	Solid-state drive	128 GB, 2.5 in. SATA MLC	—
	I/O connections	<ul style="list-style-type: none"><li>• 1 x USB 3.0 Type A port</li><li>• 2 x USB 2.0 Type A ports</li><li>• 1 x RS-232, DB9 port</li><li>• 2 x Ethernet RJ45 LAN ports, 1 Gb each</li></ul>	
	External video connections/resolution, max	<ul style="list-style-type: none"><li>• 1 x DisplayPort/2560 x 1600<sup>(1)</sup></li><li>• 1 x VGA/1920 x 1440</li></ul>	
Software	Operating systems	See <a href="#">VersaView 5000 Thin Client and Industrial Computer Options on page 6</a>	—

(1) Audio output/line out supported. For more information, access the Rockwell Automation Knowledgebase article 1083757 at [https://rockwellautomation.custhelp.com/app/answers/answer\\_view/a\\_id/1083757](https://rockwellautomation.custhelp.com/app/answers/answer_view/a_id/1083757)



## Physical Specifications

Attribute	6200P-NS3A1, 6200P-NS3B1, 6200P-NS3C1,	6200P-NS3A1K, 6200P-NS3B1K, 6200P-NS3C1K	6200T-NA	6200T-NAK
Weight, approx <ul style="list-style-type: none"> <li>Only the computer</li> <li>Computer with packaging</li> </ul>	<ul style="list-style-type: none"> <li>1.21 kg (2.67 lb)</li> <li>1.55 kg (3.42 lb)</li> </ul>	<ul style="list-style-type: none"> <li>1.2 kg (2.65 lb)</li> <li>1.54 kg (3.4 lb)</li> </ul>	<ul style="list-style-type: none"> <li>0.6 kg (1.32 lb)</li> <li>0.94 kg (2.07 lb)</li> </ul>	<ul style="list-style-type: none"> <li>0.59 kg (1.3 lb)</li> <li>0.93 kg (2.05 lb)</li> </ul>
Dimensions (HxWxD), approximate	See <a href="#">Figure 1 on page 10</a>			
Mounting options	<ul style="list-style-type: none"> <li>Bookshelf</li> <li>DIN rail</li> <li>VESA</li> <li>Legacy 6155R</li> <li>Machine</li> </ul>			

## Power Specifications

Attribute <sup>(1)</sup>	6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K	6200T-NA, 6200T-NAK
Input voltage, DC	12...24V	
Input power, max	4.25...2.125 A ES1	
Heat dissipation	12.8 W (43.9 BTU/h)	4.5 W (15.3 BTU/h)

(1) For customer loading power specifications, see publication [IC-TD001](#), Industrial Computer and Monitor Specifications Technical Data.

## Environmental Specifications

Attribute	6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K	6200T-NA, 6200T-NAK
Temperature, operating and nonoperating	-20...+60 °C (-4...+140 °F)	
Relative humidity	10...90% noncondensing	
Altitude, operating	Sea level to 2000 m (6561 ft)	
Altitude, nonoperating	Sea level to 10,000 m (32,810 ft)	
Shock, operating	15 g (1/2 sine, 11 ms)	
Shock, nonoperating	30 g (1/2 sine, 11 ms)	
Vibration, operating and nonoperating	0.012 in p-p (10...57 Hz); 2 g peak (57...640 Hz)	
Enclosure ratings	IP20	

Certifications

For the most current information on all certifications for VersaView 5000 devices for hazardous locations, visit the Rockwell Automation Product Certifications website at <https://www.rockwellautomation.com/en-us/support/documentation/product-certifications.html>.

Attribute	6200T-NA, 6200T-NAK, 6200P-NS3A1, 6200P-NS3A1K, 6200P-NS3B1, 6200P-NS3B1K, 6200P-NS3C1, 6200P-NS3C1K
RoHS	Turkey RoHS (EEE Yönetmeliğine Uygundur. In Conformity with the EEE Regulation.)
EAC	Не предназначено для применения во взрывоопасных зонах. Только для общепромышленного применения.

Additional Resources

These documents contain additional information to related products from Rockwell Automation.

Resource	Description
Industrial Computers and Monitors Specifications Technical Data, publication <a href="#">IC-TD001</a>	Provides technical specifications for Rockwell Automation industrial computers and monitors, which include VersaView 5000 thin clients, industrial computers, and monitors.
VersaView 5000 ThinManager® Thin Clients and Industrial Computers User Manual, publication <a href="#">6200-UM001</a>	Provides information to install, connect, operate, and troubleshoot VersaView 5000 ThinManager thin client and industrial computers.
<a href="#">Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1</a>	Provides general guidelines to install a Rockwell Automation® industrial system.

You can view or download publications at [rok.auto/literature](http://rok.auto/literature)

## Notes:

# Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	<a href="http://rok.auto/support">rok.auto/support</a>
Local Technical Support Phone Numbers	Locate the telephone number for your country.	<a href="http://rok.auto/phonesupport">rok.auto/phonesupport</a>
Technical Documentation Center	Quickly access and download technical specifications, installation instructions, and user manuals.	<a href="http://rok.auto/techdocs">rok.auto/techdocs</a>
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	<a href="http://rok.auto/literature">rok.auto/literature</a>
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	<a href="http://rok.auto/pcdc">rok.auto/pcdc</a>

## Documentation Feedback

Your comments help us serve your documentation needs better. If you have any suggestions on how to improve our content, complete the form at [rok.auto/docfeedback](http://rok.auto/docfeedback).

## Waste Electrical and Electronic Equipment (WEEE)



At the end of life, this equipment should be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](http://rok.auto/pec).

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