

# INTELLIGENT INDUSTRIAL PC **A3200-iPC**



*Aerotech's lineup of industrial PCs include control cabinet PCs, 1U rack mount PCs, 4U rack mount PCs, and desktop PCs.*

## **Solutions Not Problems**

The PC is the heart of your industrial control system. Picking the right industrial PC has risk associated with it. Why create a problem?

Instead, invest in a solution. The A3200-iPC intelligent industrial PC is a factory-optimized PC for high-performance A3200 control systems. Built off of embedded roadmap industrial PCs and running Windows 10 Long-Term Service Branch (LTSB) operating system, the A3200-iPC is the stable, reliable, high-performance PC you've been looking for.

All A3200-iPC products are shipped with a fully tested and verified installation of Aerotech's A3200 motion controller.

Aerotech's lineup of industrial PCs include control cabinet PCs, 1U rack mount PCs, 4U rack mount PCs, and Desktop PCs.

## **System Integration Made Easy**

The A3200-iPC works right out of the box, greatly reducing integration hours spent on your machine build. All Windows 10 optimizations, bios settings, and installation settings for A3200

are handled by the professionals at Aerotech, greatly reducing the burden on your development team.

## **Form Factors for Aerotech Machine Builders**

The A3200-iPC is offered in three (3) different form factors. The control cabinet PCs can be mounted directly next to your motor drives for a clean, serviceable arrangement. 1U and 4U 19" rack mount PCs sit nicely above or below an Aerotech 19" rack mount controller. Finally, a new desktop PC version works for lab and research environments.

## **Fieldbus Support**

Communicate with EtherCAT or PROFINET I/O devices with an optional universal dual-port Ethernet adapter. A real-time enabled Ethernet port can also be installed to communicate with intelligent cameras and other peripherals through Modbus®/TCP.

## — PRODUCT HIGHLIGHTS —

One vendor, simple selection, easy integration

A stable platform—embedded roadmap industrial PCs running Windows 10 LTSB

HyperWire™ fiber optic bus easily integrates with A3200 fiber optic drives

Form factor to match Aerotech's hardware product offering

Intel® CORE™ i7 processor

HMI packages available

Optional EtherCAT™ and PROFINET™ interfaces

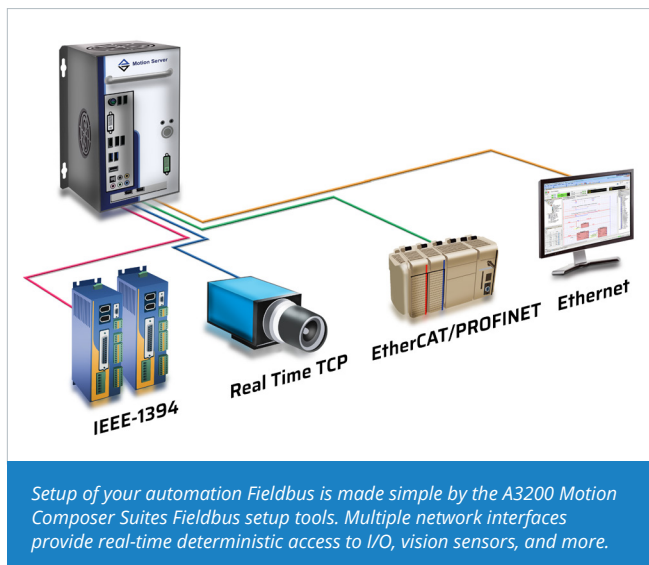
512 GB solid-state disk drive

## A3200-iPC Specifications

Control Cabinet and Desktop PCs

	-CC03	-CC02	-DT01
<b>Description</b>	Control cabinet PC	Control cabinet PC	Desktop PC
<b>A3200 Version</b>	6.x and above	6.x and above	6.x and above
<b>Processor</b>	Intel i7	Intel i5	Intel i7
<b>RAM</b>	16 GB	16 GB	16 GB
<b>Operating System<sup>1</sup></b>	Windows 10 LTSB	Windows 10 LTSB	Windows 10 64 bit
<b>Hard Disk Space</b>	256 GB SSD	128 GB SSD	512 GB SSD
<b>USB 3.0 Connections</b>	4	4	4
<b>USB 2.0 Connections</b>	N/A	N/A	N/A
<b>Input Power</b>	100-240 V, 2-4 A, 50-60 Hz	100-240 V, 2-4 A, 50-60 Hz	100-240 V, 2-4 A, 50-60 Hz
<b>Display Connections</b>	VGA DVI-D	VGA DVI-D	VGA DVI-D
<b>PCI/PCIe Expansion Slots</b>	1 x PCIe x16 3 x PCIe x4 3x PCI	1 x PCIe x16 3 x PCIe x4 3x PCI	1 x PCIe x16 3 x PCIe x4 3x PCI
<b>DVD Drive</b>	Yes	Yes	Yes
<b>Drive Interface</b>	FireWire or HyperWire	FireWire or HyperWire	FireWire or HyperWire
<b>LAN</b>	10/100/1000 Mbit (Qty. 2)	10/100/1000 Mbit (Qty. 2)	10/100/1000 Mbit (Qty. 2)
<b>Modbus Support</b>	Yes, via Ethernet	Yes, via Ethernet	Yes, via Ethernet
<b>EtherCAT/PROFINET Support</b>	Available	Available	Available
<b>Power Supply</b>	180 W	180 W	180 W

<sup>1</sup> To avoid machine disruption, Aerotech disables automatic updates on Windows PCs that are shipped from Aerotech. To customize your update settings, refer to Microsoft's Windows documentation or Aerotech's User Guide to Windows 10 Updates.



## A3200-iPC Specifications

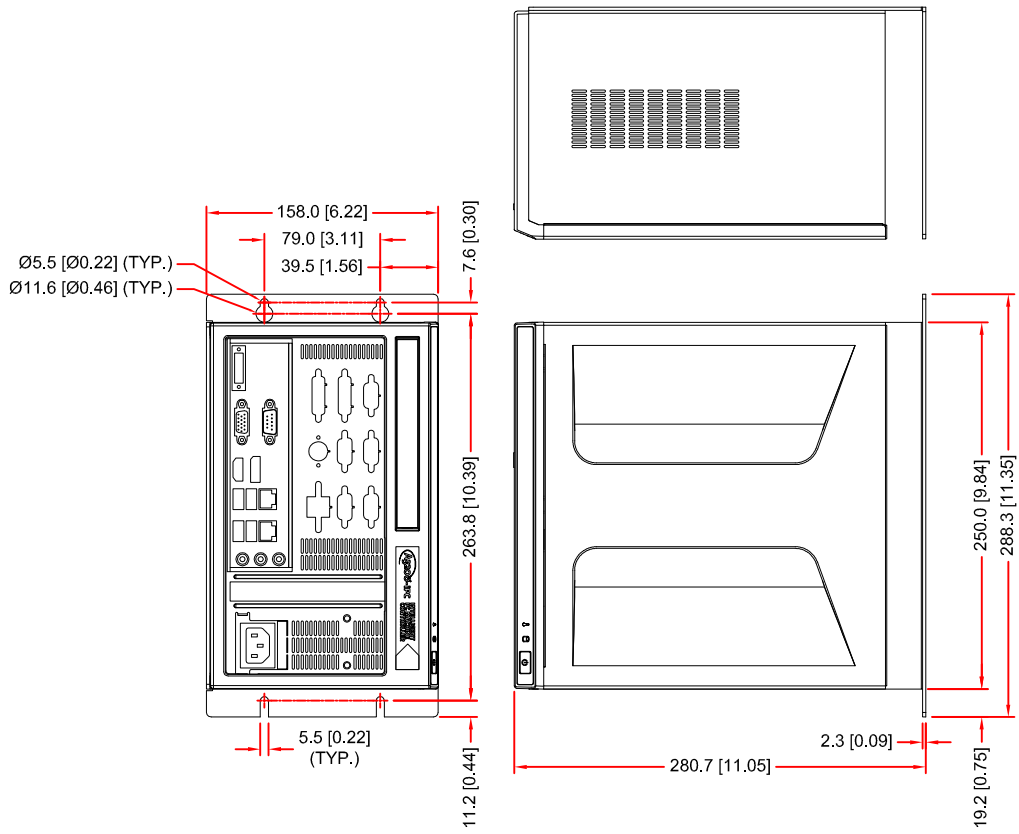
### Rack Mount PCs

	-R103	-R102	-R101	-R402	-R401
<b>Description</b>	1U rack mount	1U rack mount	1U rack mount	4U rack mount	4U rack mount
<b>A3200 Version</b>	6.x and above	Legacy 4.x/5.x	Legacy 4.x/5.x	6.x and above	Legacy 4.x/5.x
<b>Processor</b>	Intel i7	Intel i5-4590S processor	Intel i5-4590S processor	Intel i7	Intel i5-4590S processor
<b>RAM</b>	16 GB	8 GB	8 GB	16 GB	8 GB
<b>Operating System<sup>1</sup></b>	Windows 10 64 bit	Windows 7 64-bit SP1 Windows 8.1 (minimum) 64-bit Windows 10 64 bit	Windows 7 64-bit SP1 Windows 8.1 (minimum) 64-bit Windows 10 64 bit	Windows 10 64 bit	Windows 7 64-bit SP1 Windows 8.1 (minimum) 64-bit Windows 10 64 bit
<b>Hard Disk Space</b>	512 GB SSD	120 GB SSD	320 GB	512 GB SSD	1 TB
<b>USB 3.0 Connections</b>	4	2	2	4	2
<b>USB 2.0 Connections</b>	N/A	4	4	N/A	4
<b>Input Power</b>	100-240 V, 2-4 A, 50-60 Hz	85-230 VAC	85-230 VAC	100-240 V, 2-4 A, 50-60 Hz	85-230 VAC
<b>Display Connections</b>	VGA DVI-D	VGA HDMI DVI	VGA HDMI DVI	VGA DVI-D	VGA HDMI DVI
<b>PCI/PCIe Expansion Slots</b>	N/A	N/A	N/A	1 x PCIe x16 3 x PCIe x4 3x PCI	1 PCIe x16 1 PCIe x4 1 PCIe x1 4 PCI
<b>DVD Drive</b>	Yes	Yes	Yes	Yes	Yes
<b>Drive Interface</b>	FireWire or HyperWire	FireWire	FireWire	FireWire or HyperWire	FireWire
<b>LAN</b>	10/100/1000 Mbit (Qty. 2)	GB LAN (Qty. 2)	GB LAN (Qty. 2)	10/100/1000 Mbit (Qty. 2)	GB LAN (Qty. 2)
<b>Modbus Support</b>	N/A	N/A	N/A	Yes, via Ethernet	Yes, via Ethernet
<b>EtherCAT/PROFINET</b>	N/A	N/A	N/A	Available	Available
<b>Power Supply</b>	350 W	260 W	260 W	400 W	400 W

<sup>1</sup> To avoid machine disruption, Aerotech disables automatic updates on Windows PCs that are shipped from Aerotech. To customize your update settings, refer to Microsoft's Windows documentation or Aerotech's User Guide to Windows 10 Updates.

## A3200-iPC Dimensions

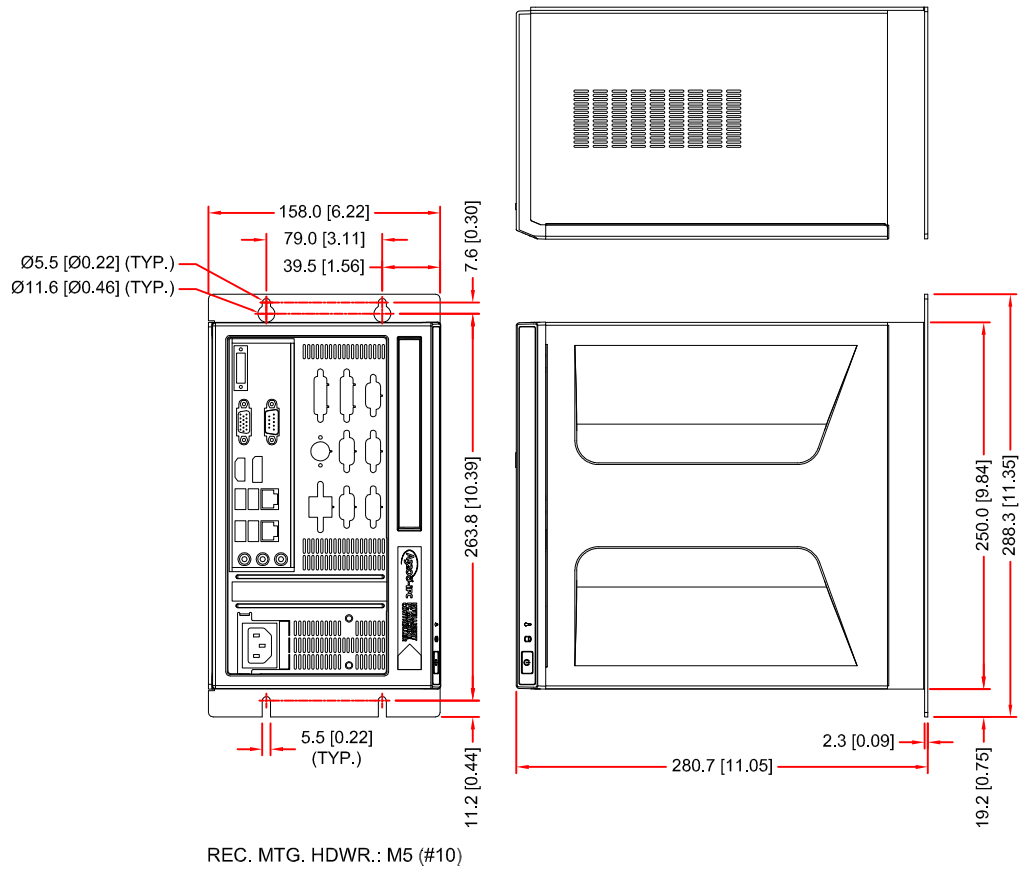
CC03



REC. MTG. HDWR.: M5 (#10)

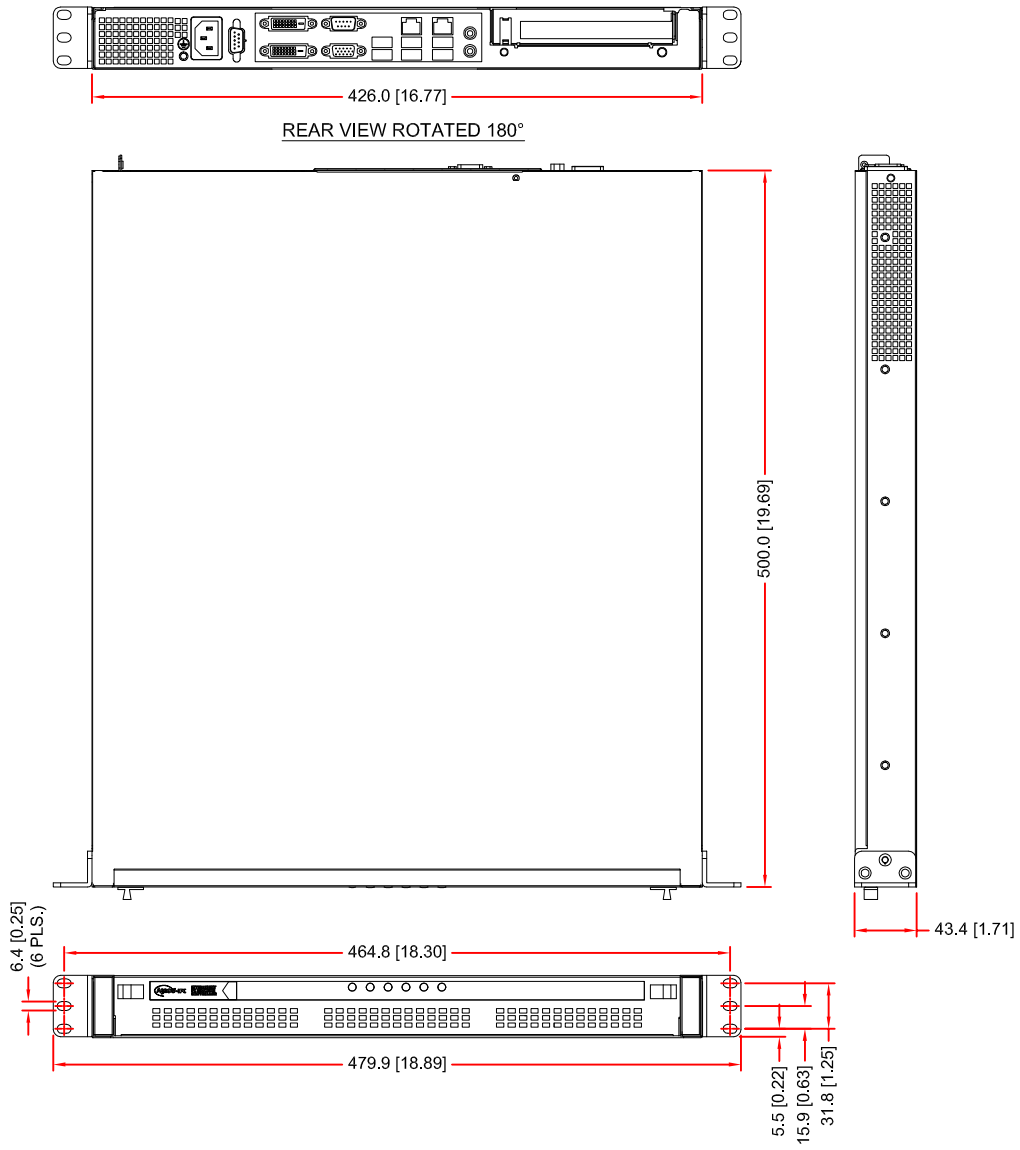
## A3200-iPC Dimensions

CC02



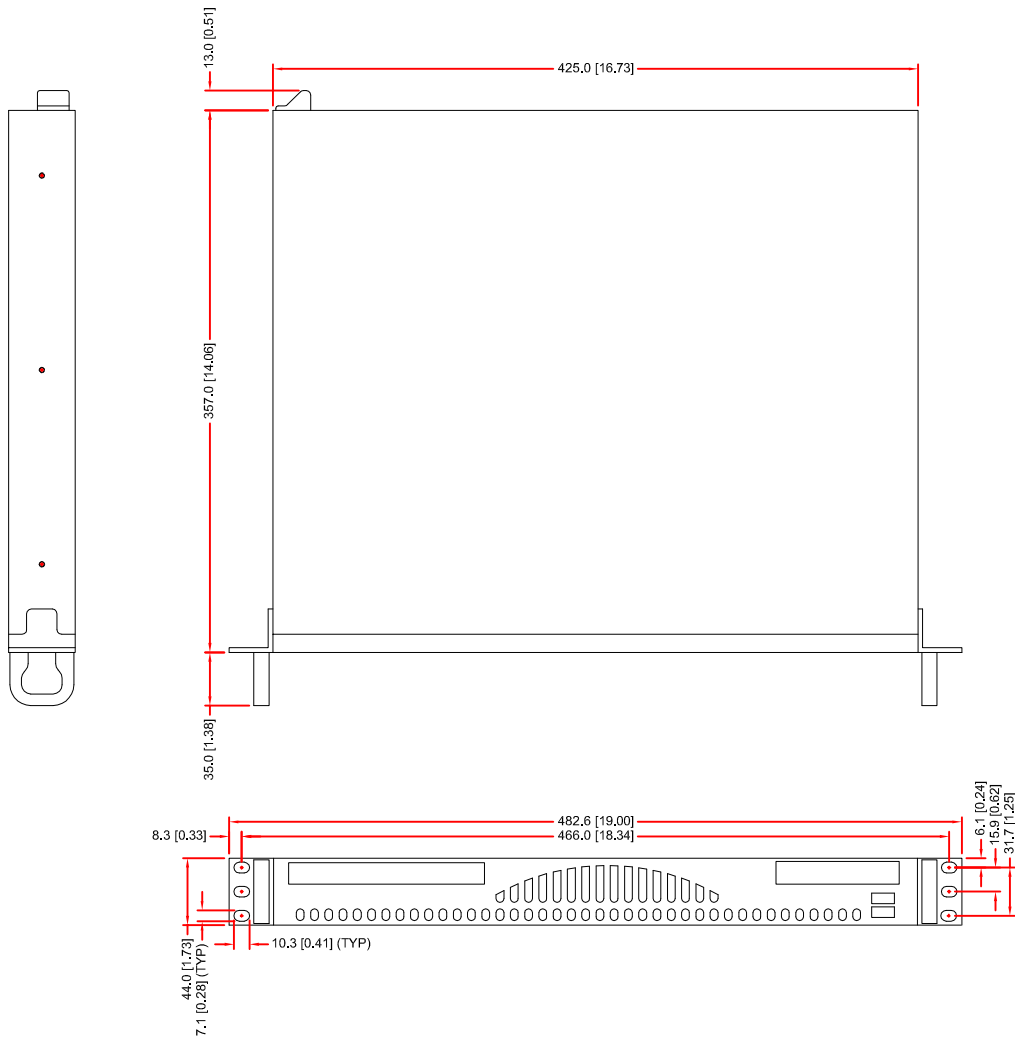
## A3200-iPC Dimensions

R103



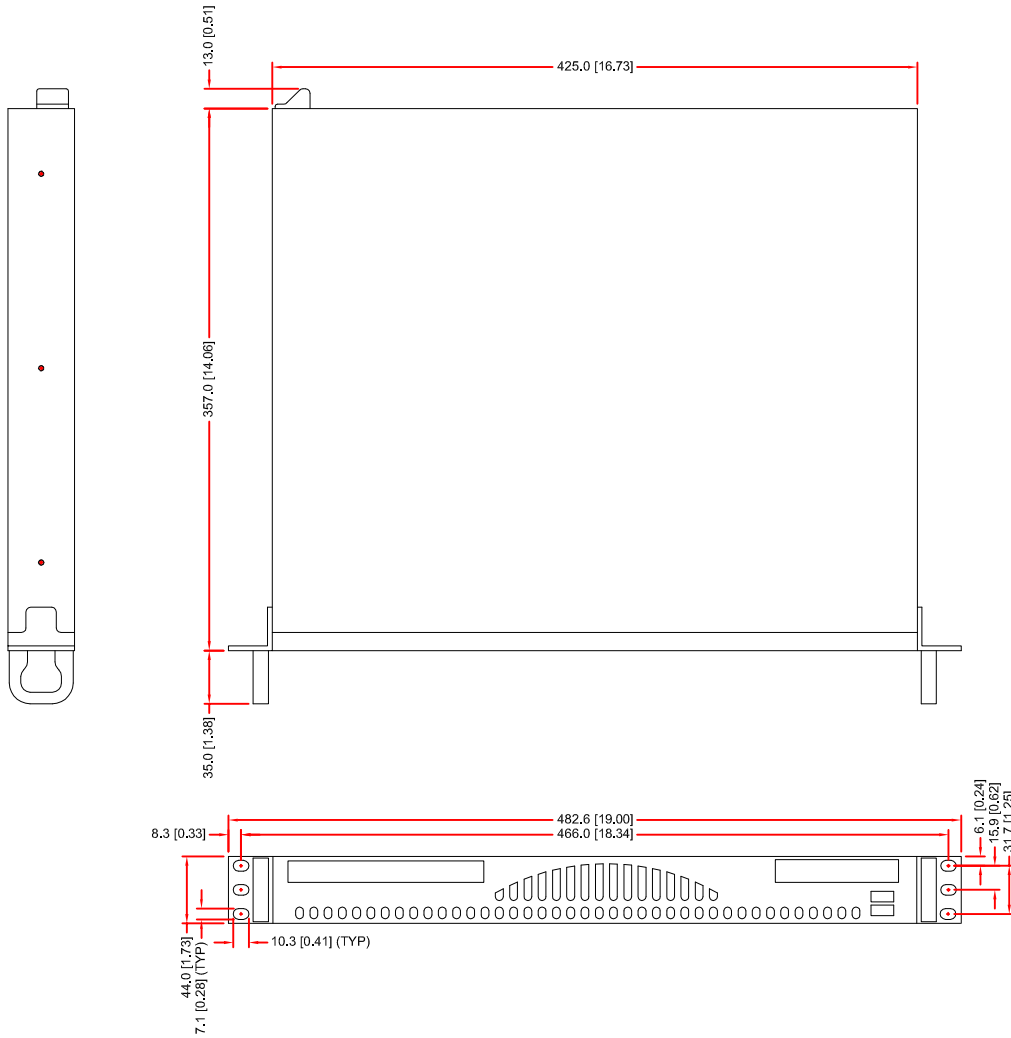
## A3200-iPC Dimensions

R102



## A3200-iPC Dimensions

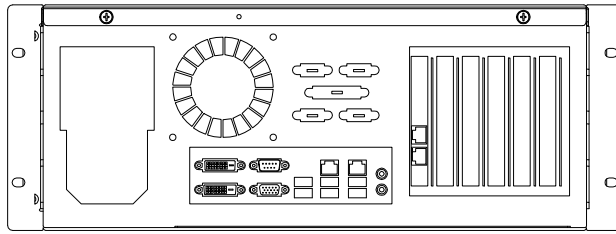
R101



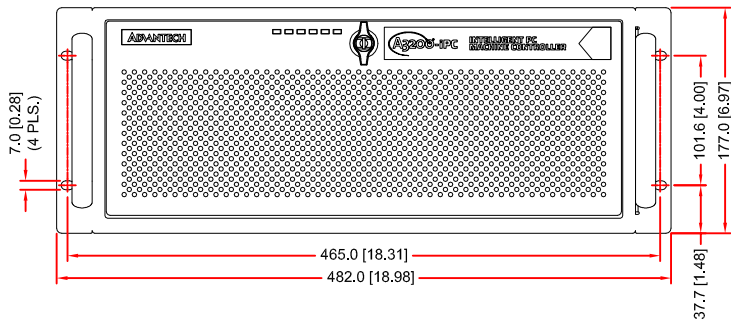
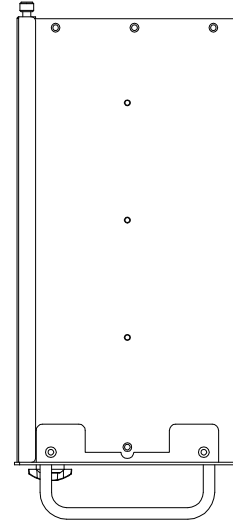
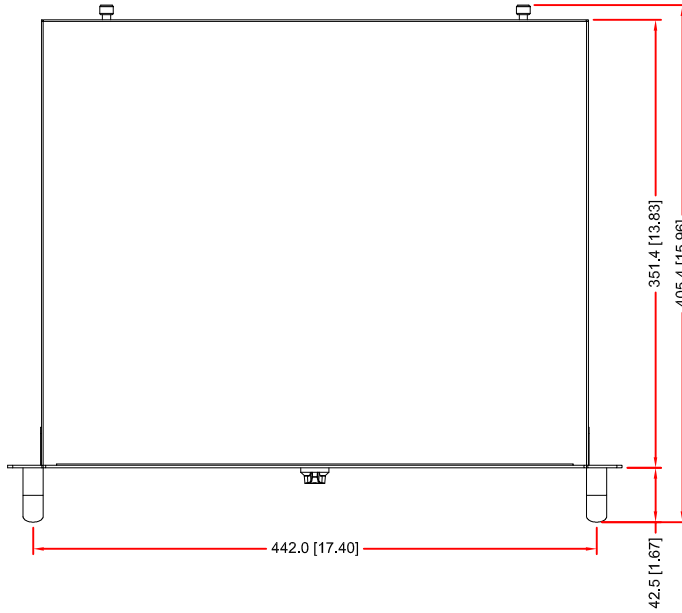


## A3200-iPC Dimensions

R402

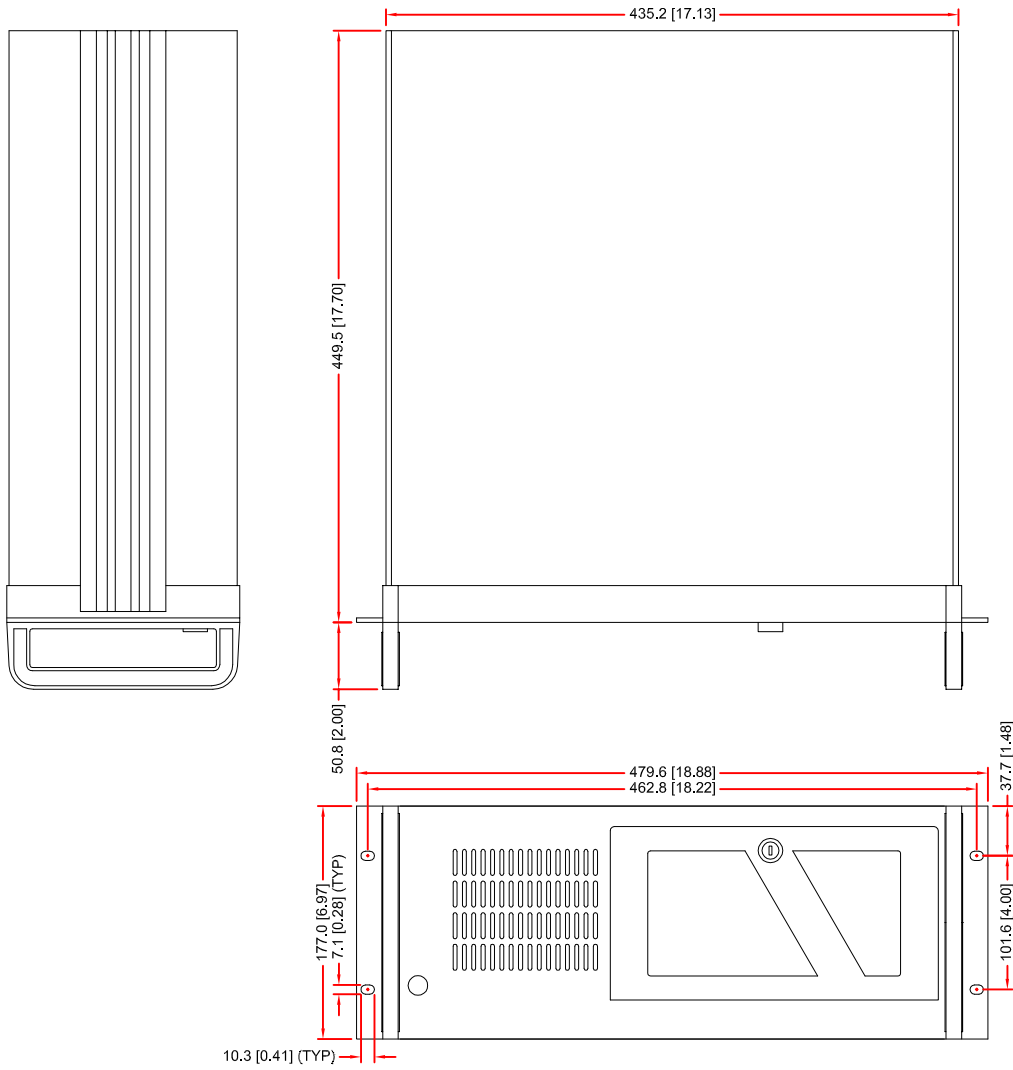


REAR VIEW ROTATED 180°



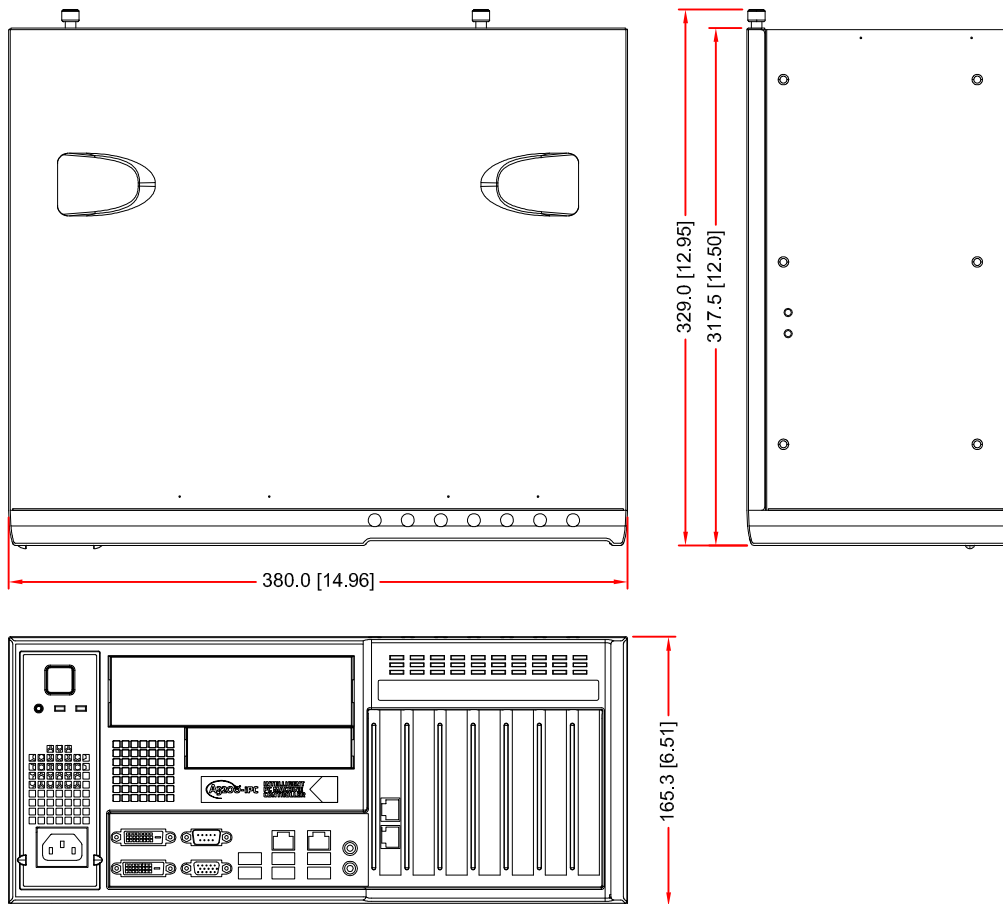
## A3200-iPC Dimensions

R401



## A3200-iPC Dimensions

DT01



## A3200-IPC Ordering Information

### A3200-IPC

A3200-IPC A3200-IPC - intelligent machine controller industrial PC

### Hardware

-CC03	Control cabinet IPC. i7. SSD. A3200 6.03 minimum
-CC02	Control cabinet IPC. i5. SSD. A3200 6.03 minimum
-R402	4U 19" rack mount IPC. i7. SSD. A3200 6.03 minimum
-R401	4U 19" rack mount IPC. i7. HDD. A3200 legacy
-R103	1U 19" rack mount IPC. i7. SSD. A3200 6.03 minimum
-R102	1U 19" rack mount IPC. i7. SSD. A3200 legacy
-R101	1U 19" rack mount IPC. i7. HDD. A3200 legacy
-DT01	Desktop tower IPC. i7. SSD. A3200 6.03 minimum

### Software

-SW01	A3200 software installed as per A3200 line item (default)
-SW00	No A3200 software installed

### Operating System

-OS03	Windows 10 64-bit operating system (default)
-OS02*	Windows 8.1 (minimum) 64-bit operating system
-OS01*	Windows 7 64-bit operating system

\*Windows 8.1 and Windows 7 not available with -CC03, -CC02, -R402, -R103, or DT01 hardware

### Motion Bus Hardware

-MB03*	HyperWire motion bus via PCIe interface card
-MB02	Firewire motion bus via PCI interface card
-MB01	Firewire motion bus via PCIe interface card (default)

\*HyperWire motion bus supported on -CC03, -CC02, -R402, -R103, and -DT01 hardware

### Automation Bus Hardware

-AB03*	EtherCAT/PROFINET interface card and Ethernet expansion card
-AB02	EtherCAT/PROFINET interface card
-AB01*	Ethernet expansion card
-AB00	No EtherCAT/PROFINET interface card or Ethernet expansion cards (default)

\*Ethernet expansion card can be used for PC Modbus connections

### HMI Package

-HMI04	17" LED monitor, USB keyboard with integral touch pad
-HMI03	17" LED monitor, USB keyboard, and mouse
-HMI02	USB keyboard with integral touch pad
-HMI01	USB keyboard and mouse
-HMI00	No HMI package (default)

### Line Cord\*

-LC0	No line cord (default)
-LC1	USA 115 VAC compatible line cord
-LC2	USA 230 VAC compatible line cord
-LC3	German compatible line cord
-LC4	UK compatible line cord
-LC5	Israel compatible line cord
-LC6	India compatible line cord
-LC7	Australia compatible line cord