

INTELLIGENT INDUSTRIAL PC **A3200-iPC**



Aerotech's lineup of industrial PCs include 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.

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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.

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

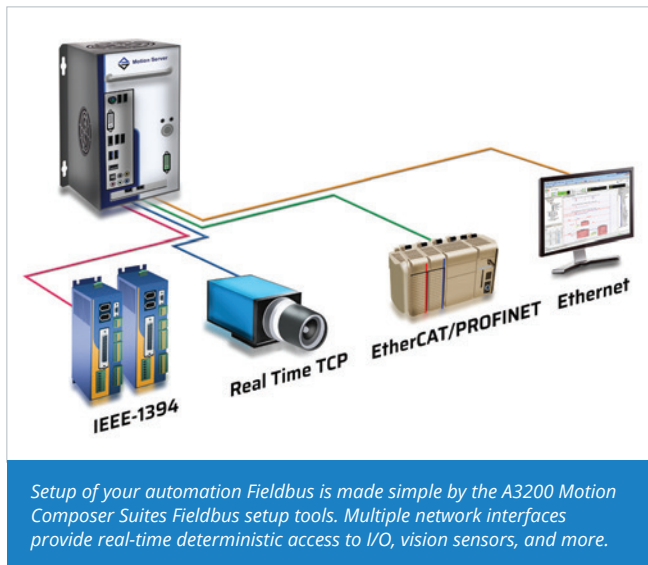
512 GB solid-state disk drive

A3200-iPC Specifications

Desktop PCs

| | -DT01 |
|-------------------------------------|---------------------------------------|
| Description | Desktop PC |
| A3200 Version | 6.x and above |
| Processor | Intel i7 |
| RAM | 16 GB |
| Operating System¹ | Windows 10 IoT Enterprise LTSC |
| Hard Disk Space | 512 GB SSD |
| USB 3.0 Connections | 4 |
| USB 2.0 Connections | N/A |
| Input Power | 100-240 V, 2-4 A, 50-60 Hz |
| Display Connections | DVI x2 and VGA |
| PCI/PCIe Expansion Slots | 1 x PCIe x16 3 x PCIe x4 3x PCI |
| DVD Drive | Yes |
| Drive Interface | FireWire or HyperWire |
| LAN | 10/100/1000 Mbit (Qty. 2) |
| Modbus Support | Yes, via Ethernet |
| EtherCAT/PROFINET Support | Available |
| Power Supply | 350 W |

¹ 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

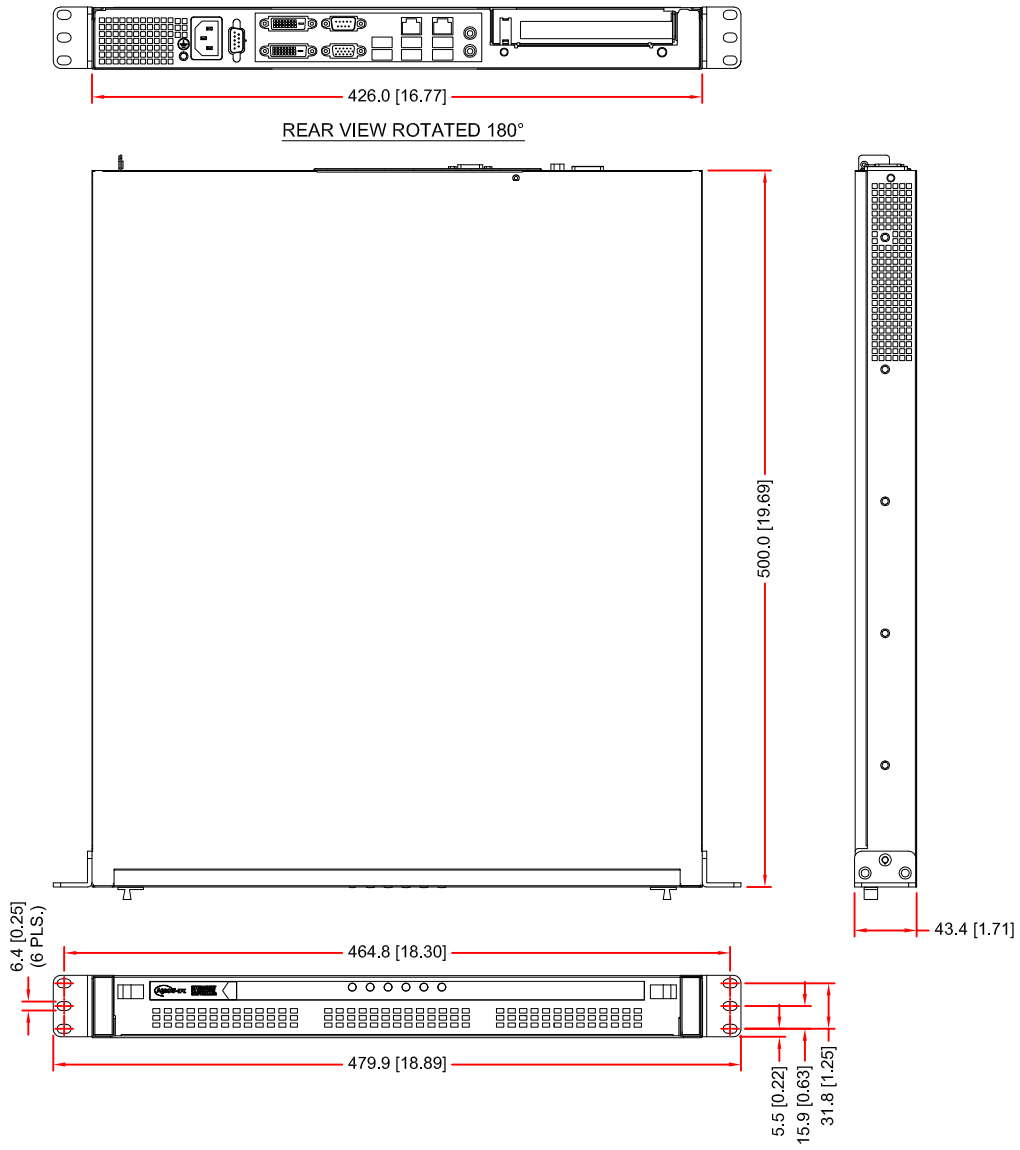
Rack Mount PCs

| | -R103 | -R102 | -R101 | -R402 | -R401 |
|-------------------------------------|----------------------------|---|---|---------------------------------------|---|
| Description | 1U rack mount | 1U rack mount | 1U rack mount | 4U rack mount | 4U rack mount |
| A3200 Version | 6.x and above | Legacy 4.x/5.x | Legacy 4.x/5.x | 6.x and above | Legacy 4.x/5.x |
| Processor | Intel i7 | Intel i5-4590S processor | Intel i5-4590S processor | Intel i7 | Intel i5-4590S processor |
| RAM | 16 GB | 8 GB | 8 GB | 16 GB | 8 GB |
| Operating System¹ | 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 |
| Hard Disk Space | 512 GB SSD | 120 GB SSD | 320 GB | 512 GB SSD | 1 TB |
| USB 3.0 Connections | 4 | 2 | 2 | 4 | 2 |
| USB 2.0 Connections | N/A | 4 | 4 | N/A | 4 |
| Input Power | 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 |
| Display Connections | VGA DVI-D | VGA HDMI DVI | VGA HDMI DVI | DVI x2 and VGA | DVI-D, VGA, HDMI and Display Port |
| PCI/PCIe Expansion Slots | 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 |
| DVD Drive | Yes | Yes | Yes | Yes | Yes |
| Drive Interface | FireWire or HyperWire | FireWire | FireWire | FireWire or HyperWire | FireWire |
| LAN | 10/100/1000 Mbit (Qty. 2) | GB LAN (Qty. 2) | GB LAN (Qty. 2) | 10/100/1000 Mbit (Qty. 2) | GB LAN (Qty. 2) |
| Modbus Support | N/A | N/A | N/A | Yes, via Ethernet | Yes, via Ethernet |
| EtherCAT/PROFINET | N/A | N/A | N/A | Available | Available |
| Power Supply | 350 W | 260 W | 260 W | 500 W | 500 W |

¹ 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.

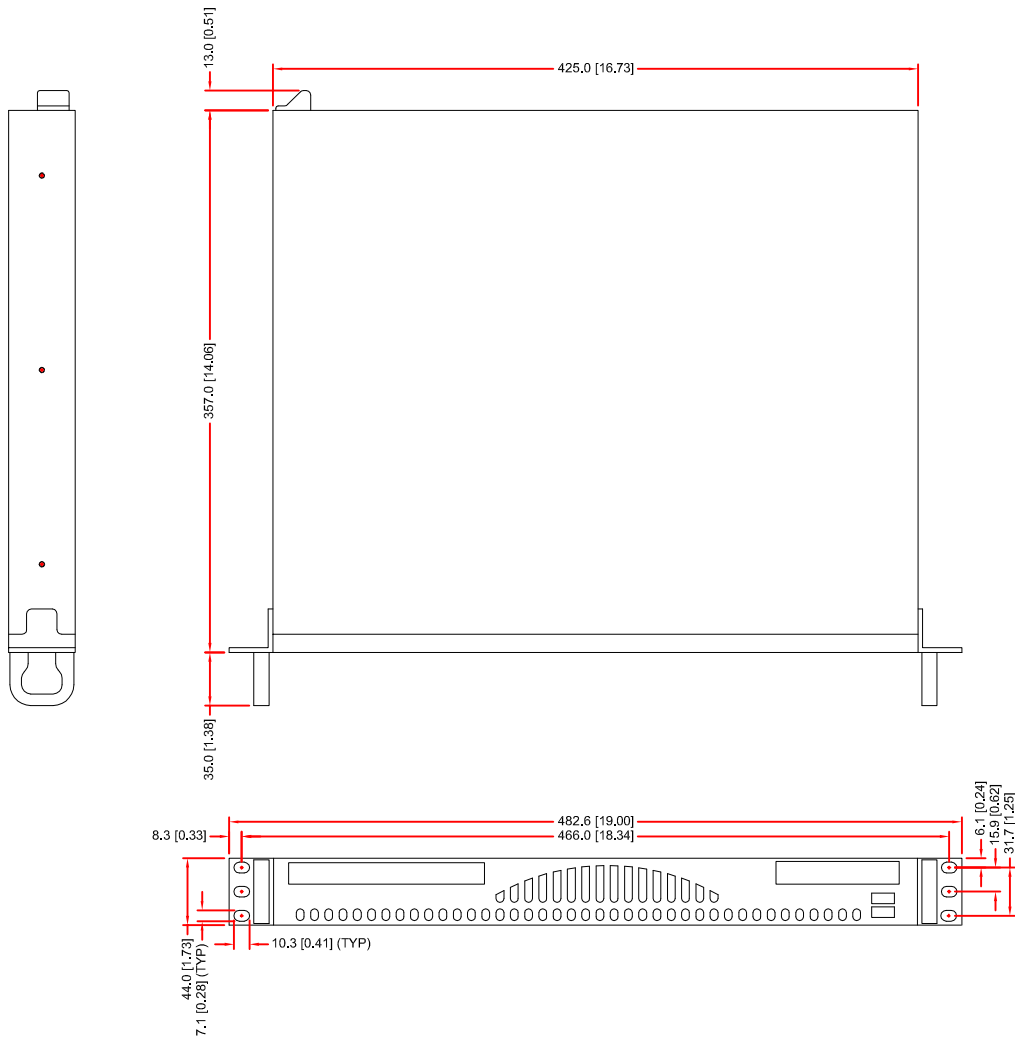
A3200-iPC Dimensions

R103



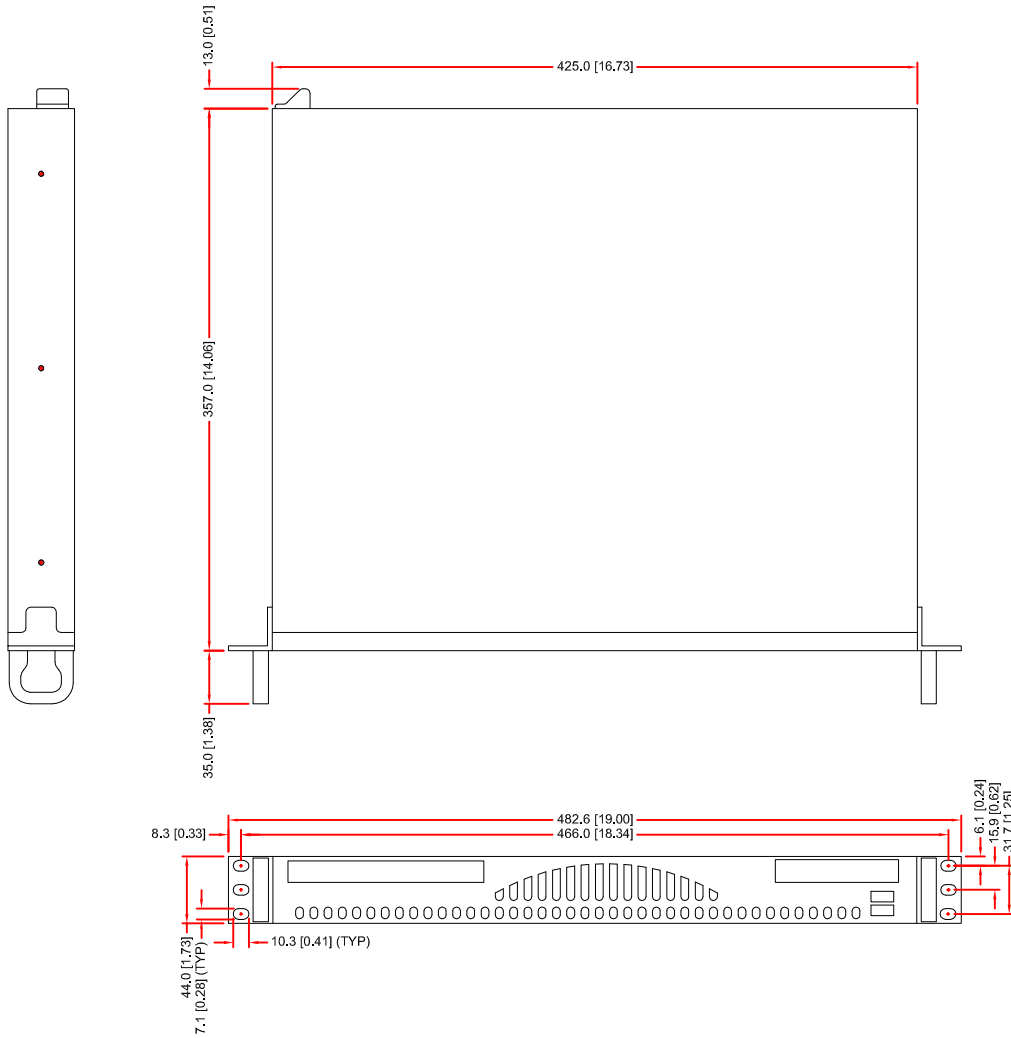
A3200-iPC Dimensions

R102



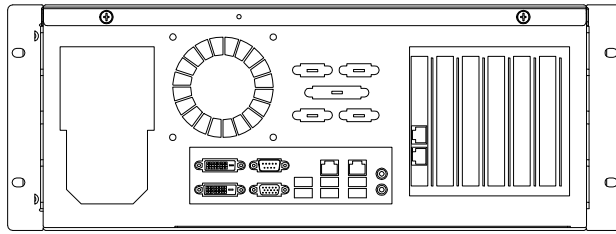
A3200-iPC Dimensions

R101

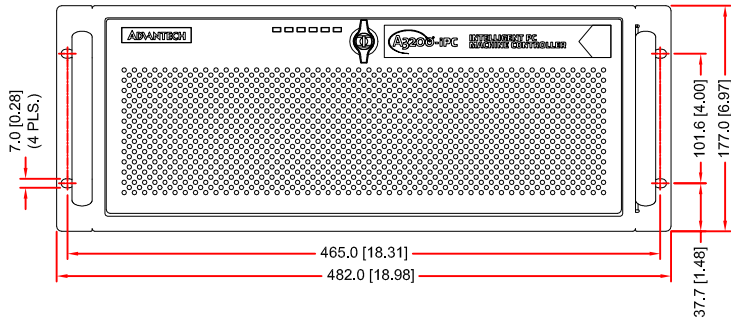
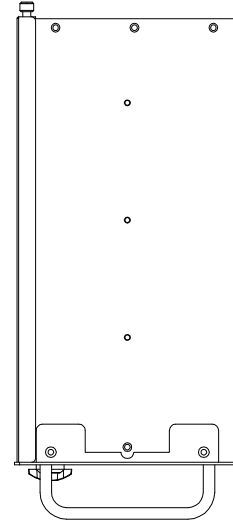
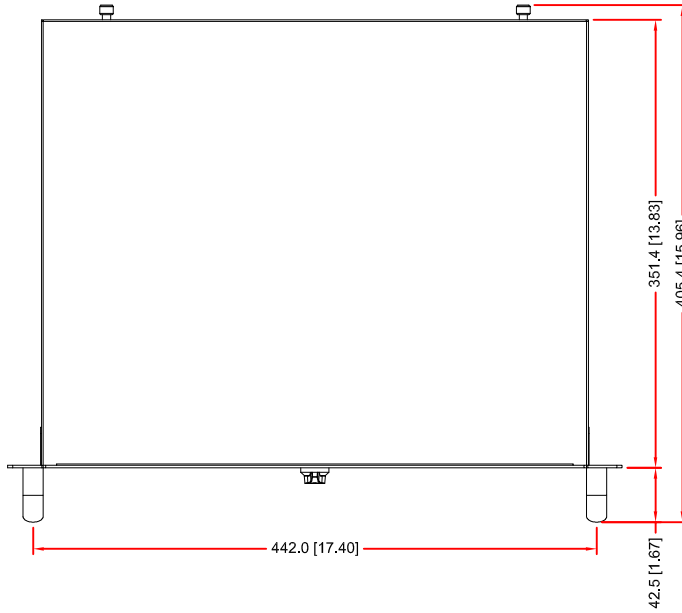


A3200-iPC Dimensions

R402

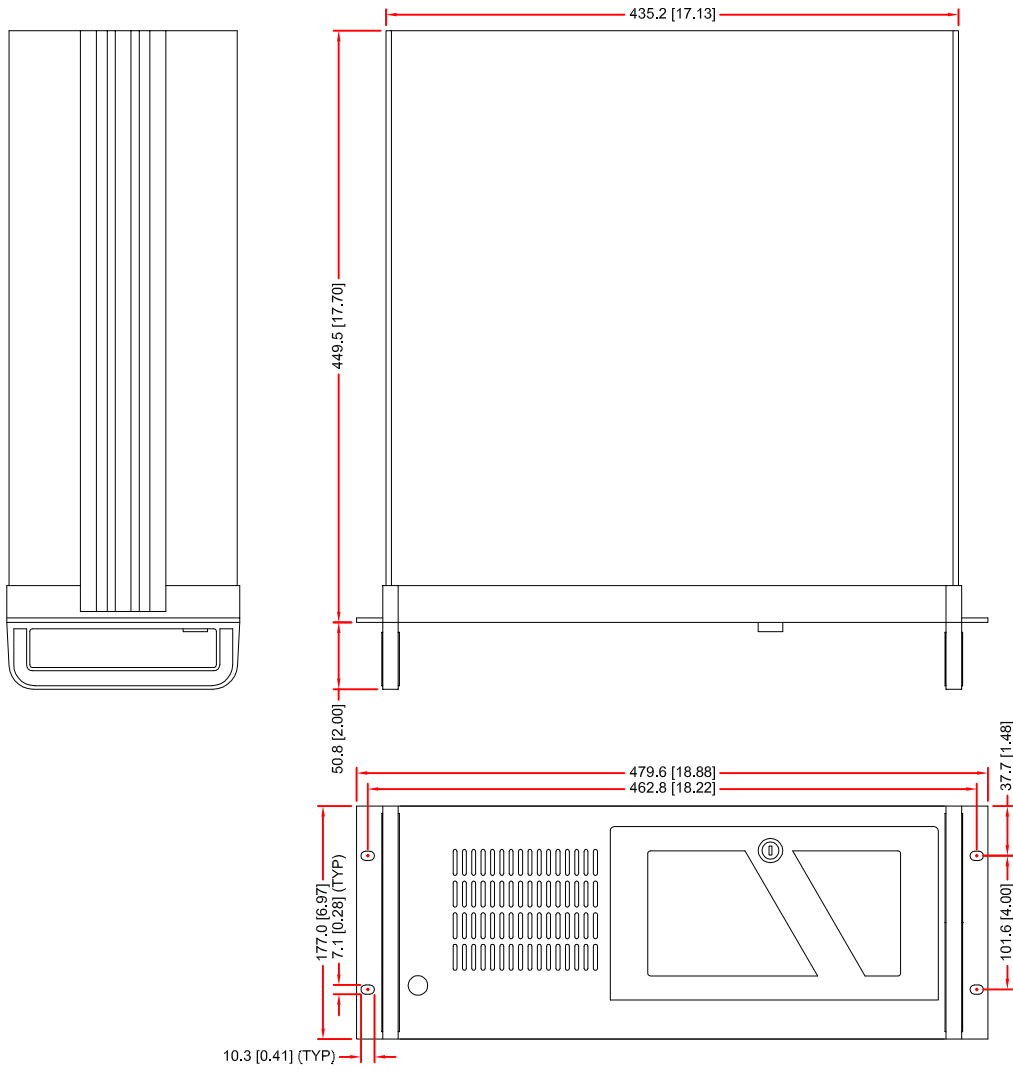


REAR VIEW ROTATED 180°



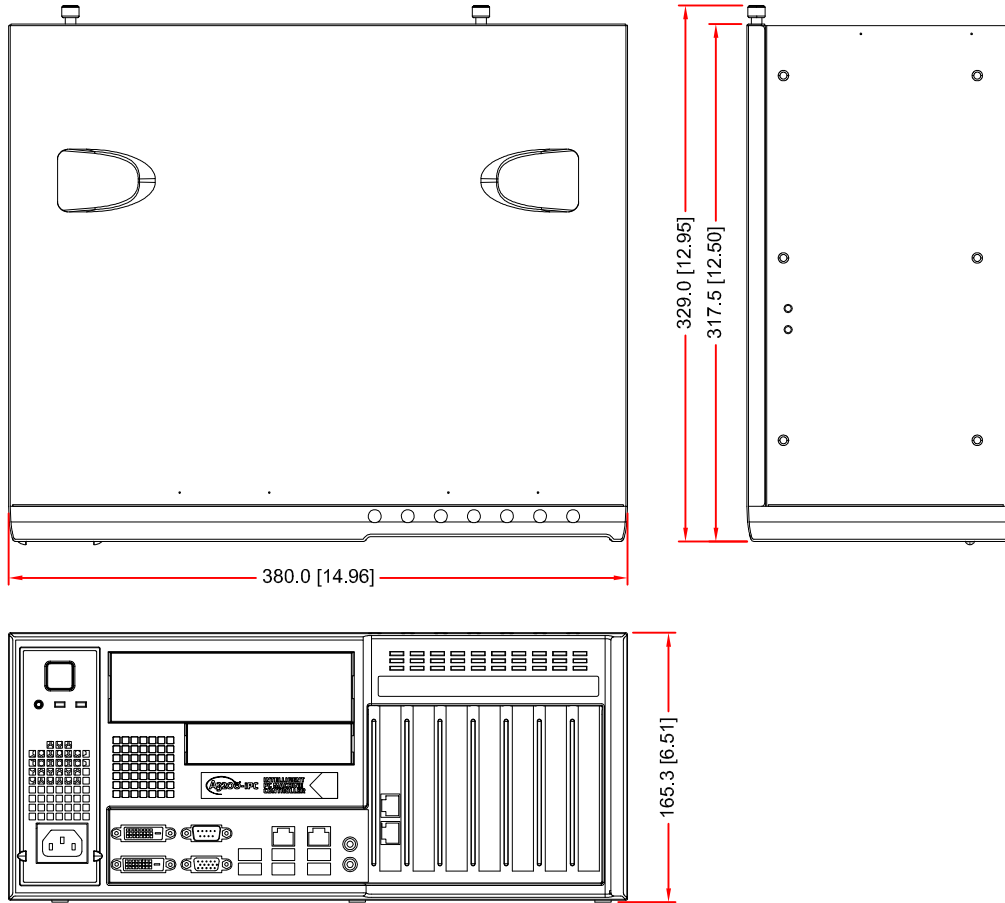
A3200-iPC Dimensions

R401



A3200-iPC Dimensions

DT01



A3200-iPC Ordering Information

A3200-iPC

A3200-iPC A3200-iPC - intelligent machine controller industrial PC

Hardware

-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 -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 -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