

# AEROTECH AUTOMATION1

## Intelligent Industrial PC **Automation1 iPC**



### Performance Plus Security

Running your high-end automation system on a less-than-adequate PC? Frustrated by Windows updates that disrupt your operating system? Switch to the Automation1 Intelligent Industrial PC (iPC). Built on Windows 10 IoT Enterprise Long-Term Service Channel (LTSC), the Automation1 iPC delivers enterprise manageability, durability and security that stays up-to-date. Because Windows 10 LTSC versions receive quality updates but not feature updates, your security stays up to date without impacting functional performance.

### Automation1

The iPC is a part of the user-friendly Automation1 motion control platform, which includes the following:

- ◆ **Development Software**
- ◆ **Controls**
- ◆ **Motor Drives**
- ◆ **Fiber-Optic HyperWire® Communication Bus**

### KEY FEATURES:

- ◆ Connects to motor drives, galvo scan head controllers & more over our **HYPERWIRE® FIBER-OPTIC COMMUNICATION BUS**, which has 20x the bandwidth of 100BASE-T Ethernet buses
- ◆ Eliminates hours of integration time
- ◆ Matches our hardware products' form factor
- ◆ Allows for **SIMPLE SELECTION PROCESS** because you use one vendor
- ◆ **ENSURES STABILITY** with Windows 10 IoT Enterprise Long-Term Service Channel (LTSC)
- ◆ Includes **INTEL CORE™ I7 PROCESSOR** & solid-state disk drive
- ◆ Not commercially available

## AUTOMATION1 IPC SPECIFICATIONS

	-CC05	-CC04	-R402	-R103	-DT01
<b>Description</b>	Compact control cabinet PC	Compact control cabinet PC	4U rack mount	1U rack mount	Desktop PC
<b>Automation1 Version</b>	1.0 and above	1.0 and above	1.0 and above	1.0 and above	1.0 and above
<b>Processor</b>	Intel i7	Intel i5	Intel i7	Intel i7	Intel i7
<b>RAM</b>	16 G	16 G	16 G	16 G	16 G
<b>Operating System<sup>(1)</sup></b>	Windows 10 IoT Enterprise LTSC	Windows 10 IoT Enterprise LTSC	Windows 10 IoT Enterprise LTSC	Windows 10 IoT Enterprise LTSC	Windows 10 IoT Enterprise LTSC
<b>Hard Disk Space</b>	256 GB SSD	256 GB SSD	512 GB SSD	256 GB SSD	512 GB SSD
<b>USB 3.0 Connections</b>	4	4	4	4	4
<b>Input Power</b>	24 VDC	24 VDC	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz
<b>Display Connections</b>	Display Port / HDMI	Display Port / HDMI	DVI x2 and VGA	DVI x2 and VGA	DVI x2 and VGA
<b>PCI/PCIe Expansion Slots</b>	N/A <sup>(2)</sup>	N/A <sup>(2)</sup>	1 x PCIe x16 3 x PCIe x4 <sup>(3)</sup> 3x PCI	1x PCIe x4 <sup>(3)</sup>	1x PCIe x16 3x PCIe x4 <sup>(3)</sup> 3x PCI
<b>DVD Drive</b>	No	No	Yes	Yes	Yes
<b>Drive Interface</b>	HyperWire	HyperWire	HyperWire	HyperWire	HyperWire
<b>LAN</b>	10/100/1000 Mbit (qty. 2)	10/100/1000 Mbit (qty. 2)	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	Yes, via Ethernet	Yes, via Ethernet
<b>EtherCAT Support</b>	Future	Future	Future	N/A	Future
<b>Power Supply</b>	N/A	N/A	500 W	350 W	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.
2. No expansion slots available.
3. Option -MB03 requires a PCIe x4 slot.

## AUTOMATION1 IPC ORDERING OPTIONS

### Hardware

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- CC05 Compact Control cabinet IPC. i7. SSD
- CC04 Compact Control cabinet IPC. i5. SSD
- R402 4U 19" rack mount IPC. i7. SSD
- R103 1U 19" rack mount IPC. i7. SSD
- DT01 Desktop tower IPC. i7. SSD

### Automation1 MDK Installation

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- MDK01 Automation1 MDK installed as per line item (default)
- MDK00 Do not install Automation1 MDK software

### Automation1 iSMC Installation

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- SMC01 Automation1 iSMC installed as per line item (default)
- SMC00 Do not install Automation1 iSMC controller

### Operating System

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- OS03 Windows 10 64-bit operating system (default)

### Motion Bus

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- MB03\* HyperWire motion bus via PCIe interface card (default)
- MB00 No motion bus interface card

*\*Required with choice of -SMC01*

### Automation Bus

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- AB01\* Ethernet expansion card
- AB00 No EtherCAT interface card or ethernet expansion cards (default)

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

### HMI Package

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- HMI04 24" LED monitor, USB keyboard with integral touch pad
- HMI03 24" LED monitor, USB keyboard and mouse
- HMI02 USB keyboard with integral touch pad
- HMI01 USB keyboard and mouse
- HMI00 No HMI package (default)

### AC Adaptor

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- AC0 No AC adaptor (default)
- AC1 AC adaptor for PC power

### Line Cord\*

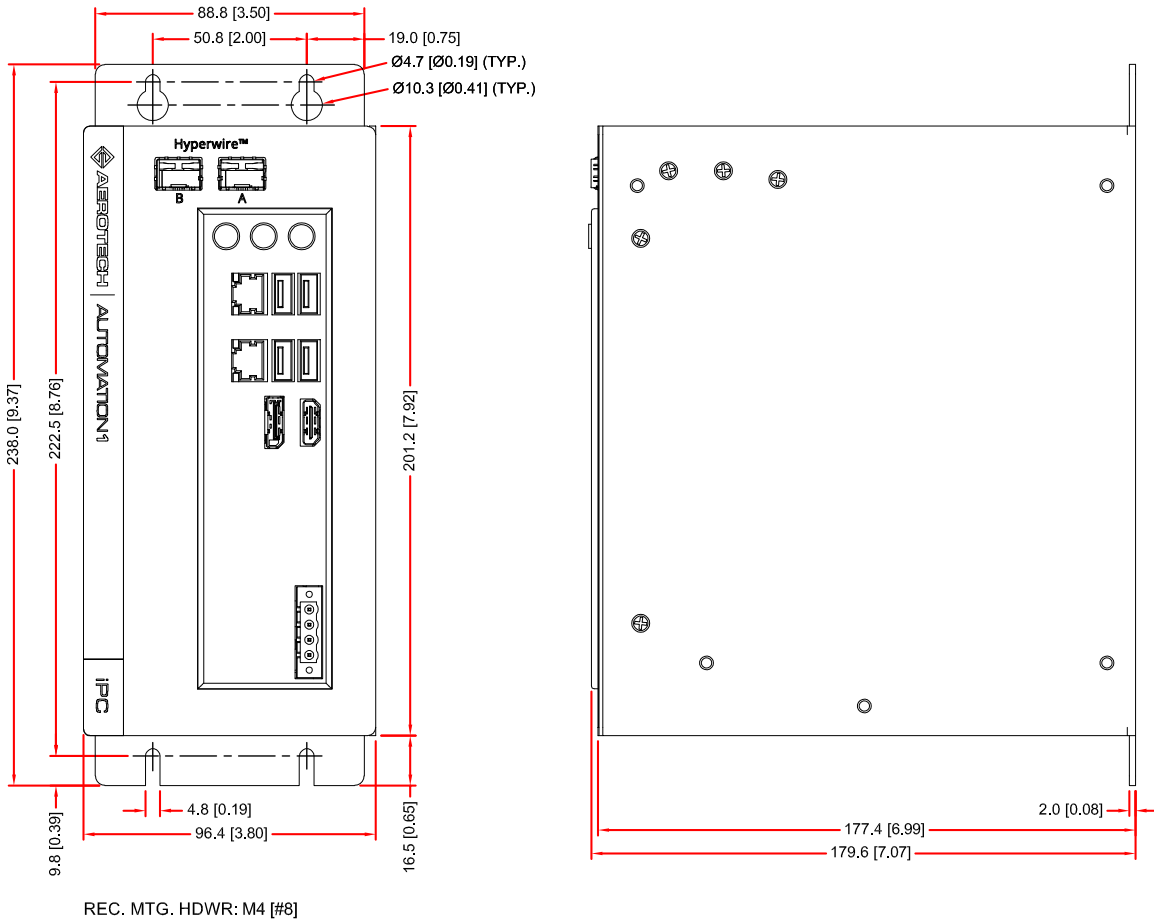
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- LC0 No line cord (default)
- LC1 USA 115 VAC compatible line cord
- LC2 USA 230 VAC compatible line cord
- LC3 German compatible line cord
- LC4 UK compatible line cord
- LC5 Israel compatible line cord
- LC6 India compatible line cord
- LC7 Australia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

*\*Required for -R402, -R103 and -DT01 hardware options*

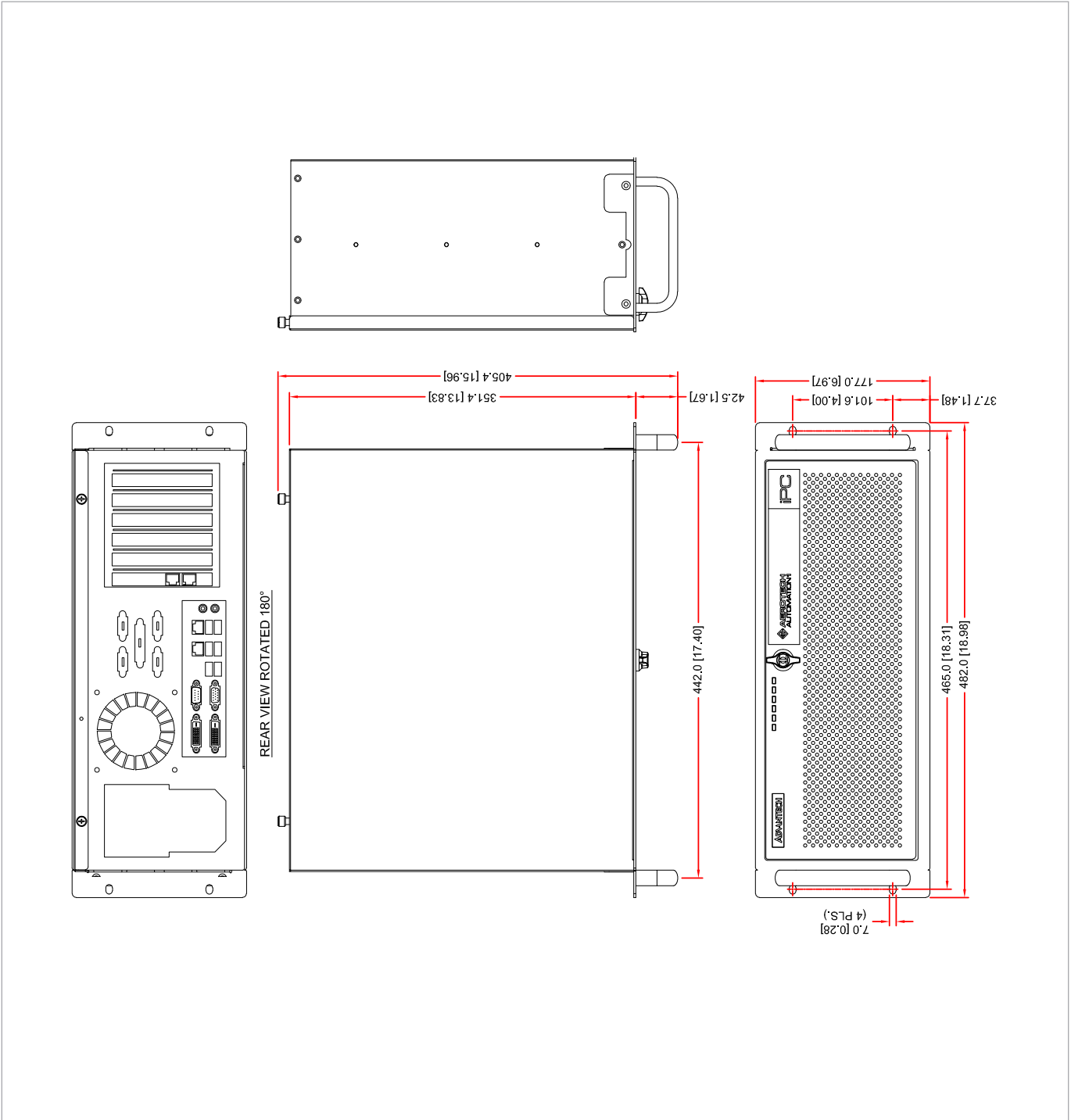
# AUTOMATION1 IPC DIMENSIONS

## AUTOMATION1-IPC, -CC04 & -CC05 HARDWARE OPTIONS



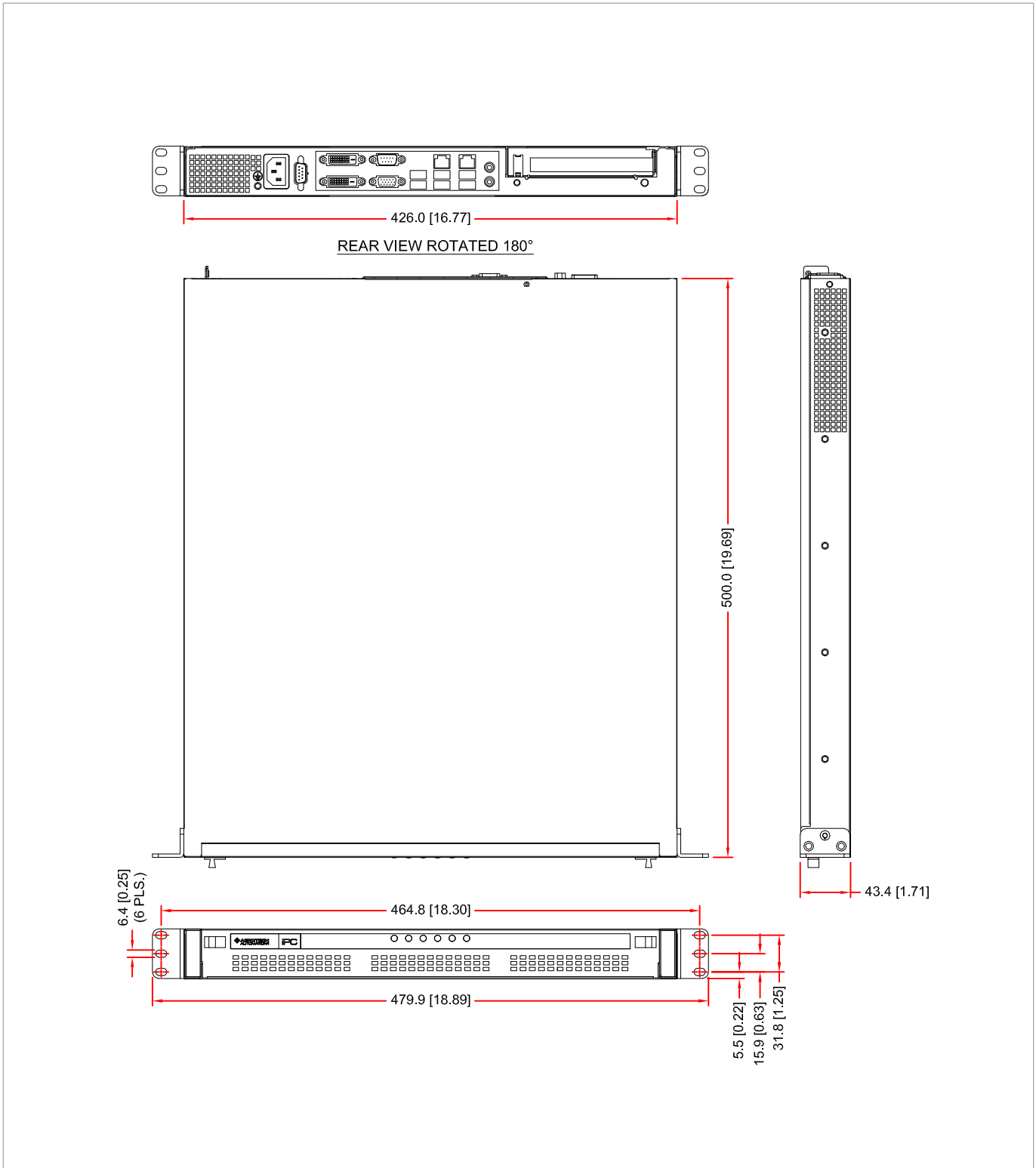
# AUTOMATION1 IPC DIMENSIONS

## AUTOMATION1-IPC, -R402 HARDWARE OPTION



# AUTOMATION1 IPC DIMENSIONS

## AUTOMATION1-IPC, -R103 HARDWARE OPTION



# AUTOMATION1 IPC DIMENSIONS

AUTOMATION1-IPC, -DT01 HARDWARE OPTION

