



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 11 IoT Enterprise Long-Term Service Channel (LTSC), the Automation1 iPC delivers enterprise manageability, durability and security that stays up-to-date. Because Windows 11 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 11 IoT Enterprise Long-Term Service Channel (LTSC)
- ◆ Includes **INTEL CORE™ i5 PROCESSOR** & solid-state disk drive
- ◆ Not commercially available

AUTOMATION1 iPC SPECIFICATIONS

	-CC05	-CC04	-R403	-DT02
Description	Compact control cabinet PC	Compact control cabinet PC	4U rack mount	Desktop PC
Automation1 Version	1.0 and above	1.0 and above	2.9 and above	2.9 and above
Processor	Intel i7	Intel i5	Intel i5	Intel i5
RAM	16 G	16 G	32 G	32 G
Operating System⁽¹⁾	Windows 10 IoT Enterprise LTSC	Windows 10 IoT Enterprise LTSC	Windows 11 IoT Enterprise LTSC	Windows 11 IoT Enterprise LTSC
Hard Disk Space	256 GB SSD	256 GB SSD	1 TB SSD	1 TB SSD
USB Connections	4x USB3.0	4x USB3.0	4x USB2.0 4x USB3.0	4x USB2.0 4x USB3.0
Input Power	24 VDC	24 VDC	100-240 VAC 50-60 Hz	100-240 VAC 50-60 Hz
Display Connections	Display Port / HDMI	Display Port / HDMI	Display Port / HDMI/ VGA	Display Port / HDMI/ VGA
PCI/PCIe Expansion Slots	N/A ⁽²⁾	N/A ⁽²⁾	3x PCIe x4 1x PCIe x8 1x PCIe x16 2x PCI	3x PCIe x4 1x PCIe x8 1x PCIe x16 2x PCI
DVD Drive	No	No	No	No
Drive Interface	HyperWire	HyperWire	HyperWire	HyperWire
LAN	10/100/1000 Mbit (qty. 2)	10/100/1000 Mbit (qty. 2)	10/100/1000 Mbit (qty. 2)	10/100/1000 Mbit (qty. 2)
Modbus Support	Yes, via Ethernet	Yes, via Ethernet	Yes, via Ethernet	Yes, via Ethernet
EtherCAT Support	Future	Future	Future	Future
Power Supply	N/A	N/A	500 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 Updates.
2. No expansion slots available.
3. Option -MB03 requires a PCIe x4 slot.

AUTOMATION1 iPC ORDERING OPTIONS

Hardware

- CC05 Compact Control cabinet iPC. i7. SSD
- CC04 Compact Control cabinet iPC. i5. SSD
- R403 4U 19" rack mount iPC. i5. SSD
- DT02 Desktop tower iPC. i5. SSD

Automation1 MDK Installation

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

Automation1 iSMC Installation

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

Operating System

- OS03 Windows 10 64-bit operating system (only available on -CC04 and -CC05)
- OS04 Windows 11 64-bit operating system (default) (-OS04)

Motion Bus

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

**Required with choice of -SMC01*

Automation Bus

- 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

- 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

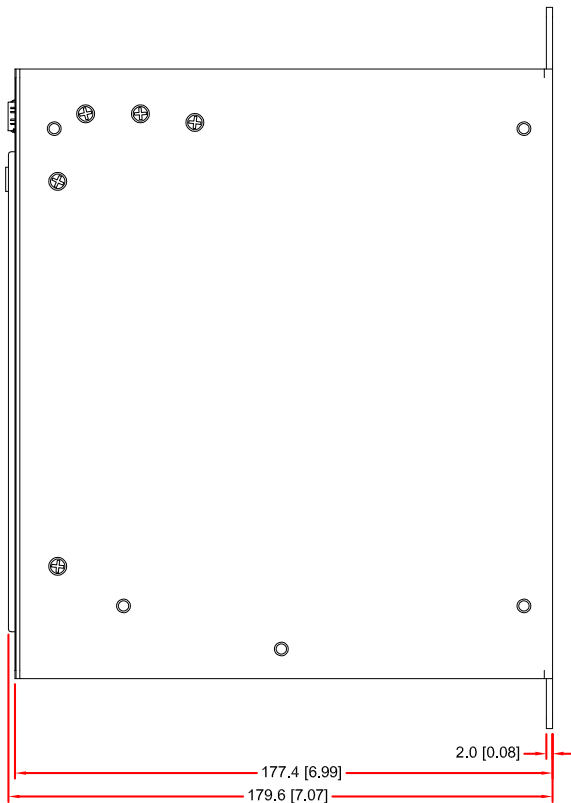
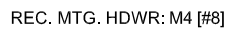
- AC0 No AC adapter (default)
- AC1 AC adapter for PC power

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

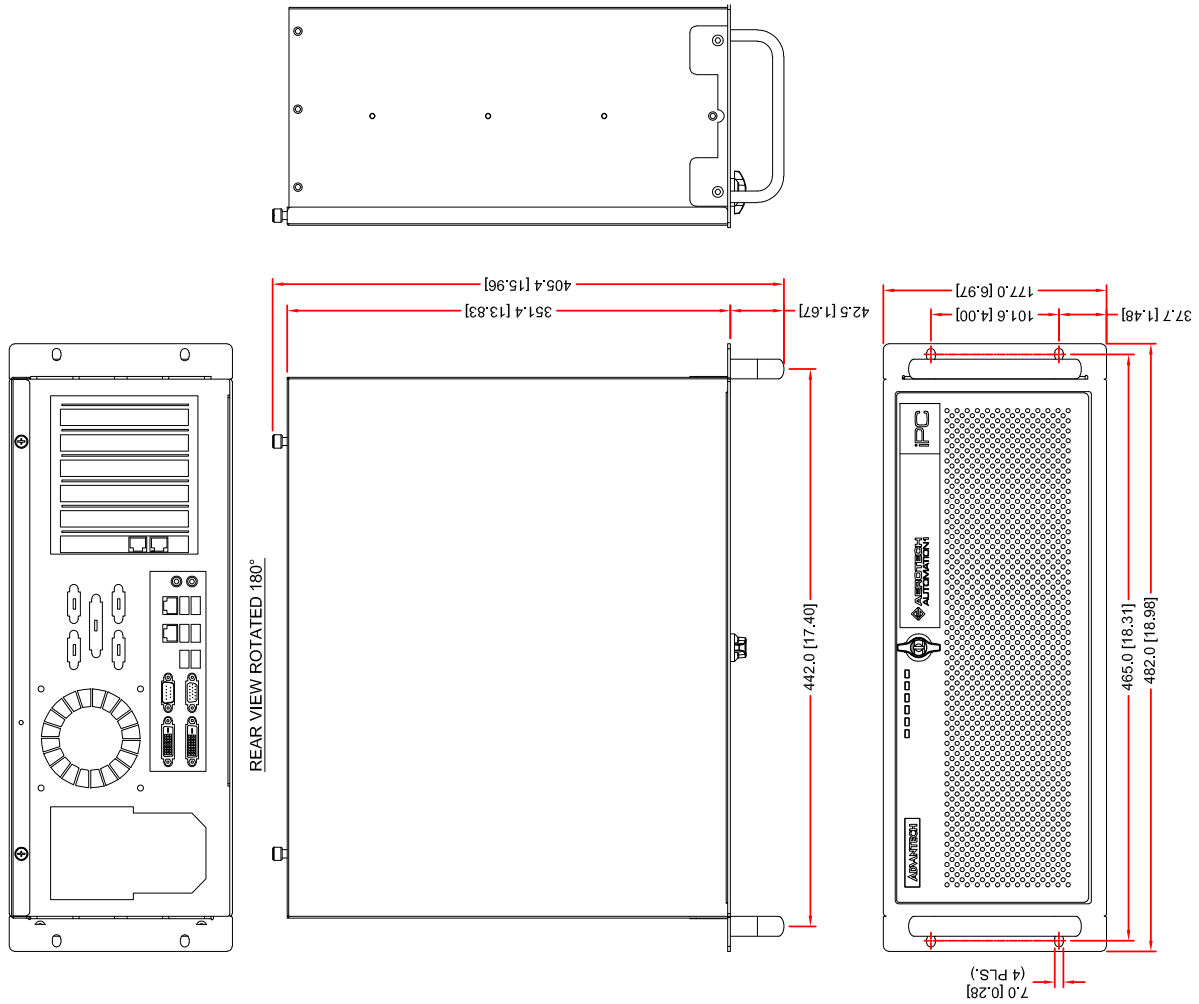
**Required for -R403 and -DT02 hardware options*

AUTOMATION1-iPC, -CC04 & -CC05 HARDWARE OPTIONS



AUTOMATION1 IPC DIMENSIONS

AUTOMATION1-IPC, -R403 HARDWARE OPTION



AUTOMATION1 IPC DIMENSIONS

AUTOMATION1-IPC, -DT02 HARDWARE OPTION

