

# **RUGGED MANUFACTURING PCs, THIN CLIENTS, AND HMI PANEL PCs**

Your Best Insurance Against  
Production Line Downtime





COMPUTER FAILURES COST  
THE AVERAGE MANUFACTURER  
**\$90,000 AN HOUR**  
DON'T PUT UP WITH DOWNTIME



# Industrial Computers Engineered for the Challenges of Today's Manufacturing Environments

- Protected from Dust
- Built for Extreme Temperatures
- Resistant to Shock and Vibration

## FANLESS THIN CLIENTS



### Industrial ThinManager® Ready Thin Client

Powerful, small and ultra-efficient thin client with ThinManager® Ready, ACP-enabled BIOS built to withstand the rigors of challenging manufacturing environments.

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### Rugged ThinManager® Ready Thin Client

Fanless, cableless industrial design prevents damage in extreme environments, while ACP-enabled BIOS allow for efficient ThinManager® virtualization management.

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## PCs For Manufacturing

## FANLESS WORKSTATIONS



### Ultra Thin Fanless Workstation

Compact, fanless and energy-efficient Thin Mini-ITX workstation ideally suited as an industrial thin client or standalone PC when paired with reliable solid state storage.

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### Industrial Fanless Workstation

Economical, fanless and ventless workstation, built to resist the dust, metal shavings, oil and grease that can cause failures in production environments.

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### High Performance Workstation

All the features of our Industrial Fanless Workstation plus powerful Intel Haswell Core processing for the most challenging manufacturing applications.

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## RUGGED WORKSTATIONS



### Rugged Wide Temp Workstation

Ultra-compact rugged workstation with no vents, no fans and no moving parts, with an operating temperature range of -20°C ~ 70°C.

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## RUGGED CONTROLLERS



### Rugged Industrial Controller

Highly reliable industrial automation controller designed to easily interface with legacy equipment and resist damage from dust, extreme temperatures, shock and vibration.

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## RUGGED PANEL PCs



### Rugged HMI Panel PCs

Multitouch-capable, ultra-responsive industrial panel PCs available in 10.4", 12.1", 15", 17" and 19" sizes with an impressive compliment of industrial I/O.

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#### Small Footprint

Easily mounts to the back of a display, or in space constrained environments.

#### Dual Independent Displays

Supports two displays for optimal use of screen real estate.

#### ThinManager® Enabled

ACP ThinManager BIOS provides seamless thin client operation.



## Industrial ThinManager® Ready Thin Client

TM200

### Rear I/O

- 2 USB 2.0 high current ports
- 2 USB 3.0 ports
- 2 RS-232 COM ports
- 1 VGA port
- 1 HDMI port
- 1Gb LAN port
- 3 Antenna punchouts
- 2 Audio jacks
- 1 8 ~ 19 V DC jack

### Front I/O

- 2 USB 2.0 ports
- Power button

### Storage

Optional mSATA SSD up to 1TB

### Processor

- Processor Generation: Bay Trail
- Processor: Intel Celeron J1900
- Processor Speed: 2 GHz
- Processor Cores: 4
- Graphics: Intel HD Graphics
- Up to 8 GB Memory

### Chassis

- Passively Cooled Fanless Chassis
- Aluminum Extrusion Heatsink Surface
- EMI-resistant Nickel-plated Chassis
- Operating Temperature: 0°C ~ 50°C
- Dimensions: 196 x 37 x 213 mm (7.7 x 1.45 x 8.4")
- Built in VESA MISD-100 Mounting
- Optional Wall & DIN Mounting
- Certifications: RoHS, FCC, CE

## Industrial ThinManager® Ready Thin Client

Our Industrial ThinManager Ready® Thin Client features an ACP-enabled ThinManager® BIOS, providing an economical and highly reliable fanless virtualization solution. ThinManager Thin Client Management Software offers a streamlined solution for manufacturers,

enabling terminal server and thin client management that's easy to set up and simple to maintain. With advanced control and security features including shadowing, MultiSession, dual display, and failover support, as well as integration with Citrix and VMware,

our Industrial ThinManager Ready Thin Client is designed for maximum uptime and silent operation. Quad Core Intel J1900 Celeron processing, Intel HD graphics and ThinManager's rock-solid performance let you take your thin client network to the next level

without the performance challenges of other thin client hardware. Protected by a ruggedized, fanless and ventless enclosure, the system is engineered to stand up to dust, metal shavings and other debris common on factory floors.

#### Ideal Performance

Get the right balance of performance and efficiency with Atom Quad Core processing.

#### Rugged, Small Footprint Chassis

Small size and rugged construction allow for installation in any environment.



#### Network Ready

Dual LAN and mini PCIe expansion allow for flexible network configuration.



## Rugged ThinManager® Ready Thin Client

TM300

### Rear I/O

- 1 USB 3.0 port
- 1 USB 2.0 port
- 1 DVI-I port
- 1 DisplayPort
- 2 Gb LAN ports
- 2 RS-232/422/485 COM ports
- 2 Antenna punchouts
- 1 8-bit DIO port
- 1 9 ~ 48 V secure DC input
- 2 Audio jacks; line-out, mic-in

### Front I/O

- 2 USB 2.0 ports
- 2 RS-232/422/485 COM ports
- 1 CFast slot
- 1 SIM card slot
- 1 Expansion slot
- Power button
- Power mode switch

### Storage

- Optional mSATA SSD up to 1TB

### Processor

- Processor Generation: Bay Trail
- Processor: Intel Atom E3845
- Processor Speed: 1.91 GHz
- Processor Cores: 4
- Graphics: Intel HD Graphics
- Up to 4GB Memory

### Chassis

- Passively Cooled Fanless Chassis
- Aluminum Extrusion Heatsink Surface
- Dimensions: 185 x 131 x 54 mm (7.28 x 5.16 x 2.12")
- Optional DIN and Wall Mounting
- Operating Temperature Range: -20°C ~ 70°C
- Certifications: RoHS, FCC, CE

## Rugged ThinManager® Ready Thin Client

Featuring an ACP-enabled ThinManager® BIOS, the TM300 provides a rugged alternative to standard consumer-grade thin client systems. With advanced control and security features including shadowing, MultiSession, dual independent display, and

failover support, this rugged thin client is designed for maximum uptime and discreet operation in harsh industrial environments. The TM300's fully fanless and ventless enclosure protects it against dust, dirt, extreme temperatures and vibration. Paired with

wide-temp memory, the system is capable of operating in -20°C to 70°C temperatures. The TM300 features a diverse array of I/O rarely seen in a thin client, with four RS-232/422/485 COM ports, dual Gb LAN, programmable 8-bit DIO, DVI-I and a DisplayPort. Wide input 9~48 V DC

power is supplied via a 3-pin terminal block connector for stable power in vibration-prone or fluctuating power environments and dual PCIe Mini Card slots allow for additional feature or I/O expansion.



#### Small Footprint

45mm height allows for installation in any space.

#### Optimized Cooling

Precision engineered enclosure allows for fanless, silent cooling.

#### High Performance

Quad Core processing handles even the most demanding computing tasks.



## Ultra Thin Fanless Workstation

MFG-ML210G-10

### Rear I/O

- 2 USB 2.0 high current ports
- 2 USB 3.0 ports
- 2 RS-232 COM ports
- 1 VGA port
- 1 HDMI port
- 1 Gb LAN port
- 3 Antenna punchouts
- 2 Audio jacks
- 1 8 ~ 19V DC jack

### Front I/O

- 2 USB 2.0 ports
- Power button

### Storage

- Optional SSD up to 1TB

### Processor

- Processor Generation: Bay Trail
- Processor: Intel Celeron J1900
- Processor Speed: 2 GHz
- Processor Cores: 4
- Graphics: Intel HD 4400
- Up to 8 GB Memory

### Chassis

- Passively Cooled Fanless Chassis
- Aluminum Extrusion Heatsink Surface
- EMI-resistant Nickel-plated Chassis
- Operating Temperature: 0°C ~ 55°C
- Dimensions: 196 x 37 x 213 mm (7.7 x 1.45 x 8.4")
- Built in VESA MISD-100 Mounting
- Optional Wall & DIN Mounting
- Certifications: RoHS, FCC, CE

## Ultra Thin Fanless Workstation

The MFG-ML210G-10 combines robust, multimedia-capable processing power and a compact, ruggedized, fanless and ventless enclosure that protects the system against the rigors of manufacturing applications. Where traditional desktops fail, the MFG-ML210G-10

thrives, shrugging off dust, metal shavings, or other debris that are common on factory floors. Unlike previous generations of energy-efficient processors that struggled with HD and processor-intensive applications, the MFG-ML210G-10's Intel J1900 Celeron

Quad Core CPU can tackle more than just simple embedded computing tasks. With an excellent performance to size ratio, the MFG-ML210G-10 can scale to a variety of manufacturing needs. Despite measuring only 1.45" tall, the MFG-ML210G-10 offers an array of connectivity,

including VGA and HDMI capable of powering dual independent displays, Gb LAN, dual COM ports, and six USB ports. The system also offers a PCIe Mini Card slot for WiFi and Bluetooth connectivity.

#### Industrial Enclosure

Keeps out dust and particles, ensuring your PC runs cooler for longer.

#### Optimized Cooling

Specially-designed aluminum heatsink provides ample surface area for efficient cooling.

#### No Moving Parts

Fully fanless, solid state platform for the ultimate in reliability.



## Industrial Fanless Workstation

MFG-ML400G-10

### Rear I/O

- 1 HDMI port
- 1 VGA port
- 2 Gb LAN ports
- 4 RS-232/422/485 COM ports
- 2 Antenna punchouts
- 2 USB 3.0 ports
- 2 USB 2.0 ports
- 1 Keyboard port
- 1 Mouse port
- 2 Audio jacks: line-out, mic-in
- 1 12 V DC jack

### Front I/O

- 2 USB 2.0 ports
- Power button

### Storage

- Optional mSATA SSD up to 1TB

### Processor

- Processor Generation: Bay Trail
- Processor: Intel Celeron J1900
- Processor Speed: 2 GHz
- Processor Cores: 4
- Graphics: Intel HD Graphics
- Up to 8 GB Memory

### Chassis

- Passively Cooled Fanless Chassis
- Aluminum Extrusion Heatsink Surface
- EMI-resistant Nickel-plated Chassis
- Operating Temperature: 0°C ~ 35°C
- Dimensions: 196 x 57 x 202 mm (7.71 x 2.24 x 7.95")
- Built in VESA MISD-100 Mounting
- Optional Wall & DIN Mounting
- Certifications: RoHS, FCC, CE

## Industrial Fanless Workstation

Ideal as an industrial monitoring system, factory workstation, or controller hub, thanks to its wide array of versatile industry-tailored I/O, the MFG-ML400G-10 features 6 USB, 4 COM, and dual Gb LAN ports. Capable of interfacing with a variety of both new and legacy

manufacturing systems, the MFG-ML400G-10 also features built-in MIS-D 100 mm mounting, wall mount brackets and DIN Rail clips allowing it to be installed virtually anywhere. Designed to protect internal components from dust and debris in often

contaminant-rich manufacturing environments, the MFG-ML400G-10 features a fanless and ventless chassis. Paired with reliable SSD storage, the system provides a fully solid state solution with no moving parts, further enhancing system reliability in vibration or impact-prone

environments. The system's Intel Bay Trail Celeron processor enables multi-display functionality and is capable of handling a wide range of processor-intensive manufacturing applications.

#### Fanless, Ventless Case

Keeps out dust and particles, ensuring your PC runs cooler for longer.

#### Excellent Cooling

Specially-designed aluminum heatsink provides ample surface area for efficient cooling.

#### Solid State Computing

Fully fanless, solid state platform for the ultimate in reliability.



### High Performance Fanless Workstation

Powered by the Intel i5-4200M Haswell CPU, the MFG-ML400G-50 brings high-performance computing to even the most demanding manufacturing environments. The fanless, ventless enclosure efficiently cools the CPU while protecting internal components

from dust, dirt, metal or wood shavings. The MFG-ML400G-50 is equipped with up to 16 GB of RAM and an optional mSATA SSD up to 1 TB with host power loss protection to ensure data reliability. Packing an arsenal of multipurpose I/O, the system is able to drive

### High Performance Fanless Workstation

MFG-ML400G-50

#### Rear I/O

- 1 HDMI port
- 2 DisplayPort
- 1 VGA port
- 4 USB 3.0 ports
- 2 Gb LAN ports
- 1 RS-232 COM port
- 2 RS-232/422/485 COM ports
- 3 Antenna punchouts
- 2 Audio jacks; line-out, mic-in

#### Front I/O

- 2 USB 2.0 ports
- Power button

#### Onboard Connectors

- 8 USB 2.0 ports via 4 pin headers
- 1 Internal USB port
- 4 RS-232 COM headers
- 1 8-bit GPIO header
- 1 Parallel port header
- 1 TPM header
- 1 LVDS pin header (24-bit, dual channel)

#### Storage

- Optional mSATA SSD up to 1TB

#### Processor

- Processor Generation: Haswell
- Processor: Intel Core i5-4200M
- Processor Speed: 2.5 GHz
- Processor Cores: 2
- Chipset: Intel Q87
- Graphics: Intel HD 4600
- Up to 16 GB Memory

#### Chassis

- Passively Cooled Fanless Chassis
- Aluminum Extrusion Heatsink Surface
- EMI-resistant Nickel-plated Chassis
- Operating Temperature: 0°C ~ 40°C
- Dimensions: 196 x 57 x 202 mm (7.71 x 2.24 x 7.95")
- Optional Wall & DIN Mounting
- Certifications: RoHS, FCC, CE

up to three displays or touchscreens simultaneously via 2 DisplayPort connectors, VGA, or HDMI. Additional connections are available via 4 USB 3.0, 3 RS-232 COM, and dual Gb LAN ports, making it perfect for interfacing with other tooling, legacy equipment or Industrial

Ethernet networks. With built-in MIS-D 100 mm mounting, included mounting brackets and DIN Rail clips, the MFG-ML400G-50 is easy to securely install behind displays or beneath workstations to maximize available work space.



#### Small Footprint

At just 149 x 57 x 105mm, the POC-210 is ideally suited for space-constrained environments.

#### Efficient Cooling

The fanless & ventless design provides an ideal solution for silently dissipating heat.



#### Rich I/O

An ample compliment of modern and legacy I/O ensure compatibility and connectivity.



## Rugged Wide Temp Workstation

MFG-POC210

### Rear I/O

- 1 USB 3.0 port
- 1 USB 2.0 port
- 2 RS-232/422/485 COM ports
- 2 RS-232 COM ports
- 2 Antenna punchouts
- 1 8~35 V secure DC input

### Front I/O

- 2 USB 3.0 ports
- 1 DVI-I connector
- 2 Gb LAN ports
- 1 Audio jack

### Storage

Wide-Temp SSD up to 128 GB

### Processor

Processor Generation: Bay Trail  
Processor: Intel Atom E3845  
Processor Speed: 1.91 GHz  
Processor Cores: 4  
Graphics: Intel HD Graphics  
Up to 4GB Memory

### Chassis

Passively Cooled Fanless Chassis  
Aluminum Extrusion Heatsink Surface  
Dimensions: 149 x 57 x 105 mm (5.9 x 2.28 x 4.13")  
Built-in DIN and Wall Mounting  
Operating Temperature Range: -20°C ~ 70°C  
Certifications: RoHS, FCC, CE

## Rugged Wide Temp Workstation

An ideal solution for factory floors where traditional computers break down, the MFG-POC210 is built to withstand dust, high temperatures, and vibration. The MFG-POC210 is configured with Windows 7 Pro, specifically designed to run the programs required for

everyday workstations. The Quad Core Intel Bay Trail Atom E3845 CPU offers just the right amount of power and performance to do everything you need within a small footprint. Reap the benefits of legacy data collection devices by connecting them directly to your

PC. Three USB 3.0 ports and one USB 2.0 port, in addition to four COM ports, DVI-I, and dual Gigabit Ethernet ports with the Intel I210 controller, make the MFG-POC210 easy to drop into most factory environments. Rated for operating temperatures from -20°C to 70°C, the

MFG-POC210 has zero moving parts and excellent heat dissipation via a fanless heatsink featuring long fins to maximize chassis surface area and deal with heat more effectively.



## Rugged Industrial Controller

The MFG-3003 has proven to dramatically reduce downtime in manufacturing environments, with an innovative heatsink design which eliminates the need for a fan, a frequent point of failure in many industrial systems. The wide operating temperature range of

-25°C~70°C and high shock/vibration resistance are defining features of the MFG-3003. A powerhouse unit designed for heavy processing demands, the MFG-3003 is built to collect, process and deliver large amounts of data in a factory environment.

## Rugged Industrial Controller

MFG-3003

### Rear I/O

- 2 RS-232/422/485 COM ports
- 2 Gb LAN ports
- 1 4-pin Mini DIN 8~25 V DC input
- 1 3-pin terminal block power connector

### Front I/O

- 4 USB 3.0 ports
- 4 USB 2.0 ports
- 2 DVI-D ports
- 1 PS2 mouse/keyboard port
- 1 CFast slot
- 1 VGA port
- 1 Gb LAN port
- 2 Audio jacks; mic-in, line-out
- Power button
- Reset button

### Storage

- Wide-temp SSD up to 128 GB

### Processor

- Processor Generation: Ivy Bridge
- Processor: i5-3610ME
- Processor Speed: 2.7 GHz
- Processor Cores: 2
- Chipset: Intel HM76
- Up to 16 GB Memory

### Chassis

- Passively Cooled Fanless Chassis
- Operating Temperature: -25°C~70°C
- Wide Input Power Supply - 8~25 V
- Dimensions: 240 x 85 x 225 mm (9.45 x 2.99 x 8.86")
- Certifications: RoHS, FCC, CE

temp RAM and up to 128 GB of wide-temp storage to create an optimized manufacturing platform capable of standing up to the dusty, extreme temperature environments that would decimate traditional computing platforms.



**IP-65 Front Bezel**  
Front bezel resistant to  
spills, splashes and debris.

**Bright, Clear Touch Display**  
Integrated LCD features optimal  
brightness and resolution with  
accurate touch controls.



**Flexible mounting**  
Support for panel and VESA  
mounting allows for flexible  
installation anywhere.



10.4" Model Shown

## Rugged HMI Panel PCs

MFG-CV-100C

### Rear I/O

- 1 VGA
- 1 DisplayPort
- 1 USB 3.0
- 3 USB 2.0
- 2 RS-232/422/485 COM ports
- 2 Gb LAN ports
- 2 Audio jacks; Line-out, Mic-in
- 2 Antenna punchouts
- 1 8-bit DIO
- 1 9 ~ 48 V secure DC input

### Display

Projected Capacitive Touchscreen

	Resolution	Brightness
8.4"	800 x 600	400 cd/m2
10.4"	800 x 600	400 cd/m2
12.1"	1024 x 768	450 cd/m2
15"	1024 x 768	350 cd/m2
17"	1280 x 1024	350 cd/m2
19"	1280 x 1024	350 cd/m2



### Processor

- Processor Generation: Bay Trail
- Processor: Intel Atom E3845
- Processor Speed: 1.91 GHz
- Processor Cores: 4
- Graphics: Intel HD Graphics
- Up to 4 GB Memory

### Chassis

- Fanless Panel PC With IP65-rated Front Bezel
- Aluminum Construction
- Operating Temperature: -10°C ~ 60°C
- 9 ~ 48 V
- Power Adapter DC 12 V, 60 W with 3-pin Terminal Block
- Panel-mount, VESA Mount (MIS-D 75)
- Certifications: RoHS, FCC, CE

#### Dimensions:

8.4"	218.5 x 284 x 45.4 mm (8.6 x 11.18 x 1.79")
10.4"	295 x 227.3 x 65 mm (11.6 x 8.9 x 2.6")
12.1"	264 x 330 x 48 mm (10.39 x 13 x 1.89")
15"	307.8 x 390 x 52.4 mm (12.09 x 15.35 x 2.06")
17"	450 x 350 x 72 mm (17.8 x 13.8 x 2.9")
19"	510 x 389.3 x 72 mm (20.07 x 15.33 x 2.9")

### Storage

- 2.5" HDD/SSD
- CFast

## Rugged HMI Panel PCs

The MFG-CV-100C series of panel PCs combine an energy-efficient, yet powerful, Intel Bay Trail processor with a sleek, responsive, multitouch panel. Despite drawing less than 15 watts, this Quad Core platform is far more capable than many other touchscreen PCs.

The system is wall, panel, and VESA mountable for the utmost in versatility and ease of use. Enclosed in a solid aluminum chassis with an IP65-rated front bezel, the MFG-CV-100C is built to resist spilled or splashed liquids while its fanless and ventless enclosure

prevents damage from dust. Its modular design allows for future expansion and ease of maintenance. An impressive compliment of I/O enables easy connectivity to both modern and legacy systems with Gb LAN, 4 USB, dual COM ports and 8-bit DIO. VGA and a DisplayPort

provide additional display connectivity. The MFG-CV-100 also features a 2.5" storage bay and a PCIe Mini Card expansion slot. 9~48 V DC input make it ideal for fluctuating power environments.



# A Better ThinManager® Ready PC

The overall Total Cost of Ownership (TCO) benefit of Thin Client terminals over standard PCs is about 32 percent according to The Gartner Group. Logic Supply's ultra-reliable ThinManager Ready thin clients help keep businesses running smoothly, letting you produce more and worry less with industrial PCs built for the needs of manufacturers.

- Hardened enclosures resist dust, extreme temperatures and vibration
- Fanless, solid state designs provide completely silent operation
- A wide range of industrial I/O enables easy connectivity to displays and peripherals
- Small footprint allows for installation wherever a new terminal is required



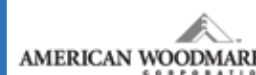


# You'll Find Logic Supply Industrial PCs In Use By The World's Leading Manufacturers



## STEEL DYNAMICS

"We needed a solid state computer, with a small footprint, that could stand up to the challenges of the production environment. To date, we haven't had a single failure or flaky operation. We couldn't be happier with Logic Supply's products and support."



## AMERICAN WOODMARK

"The price point I'm getting from Logic Supply, for a more industrial fanless version, is right in line with our current pricing from Dell so there are no budget concerns."



## NEWLY WEDS FOODS

"Thanks to Logic Supply I sleep much better at night. I'm no longer getting calls at 2am to come in and fix system failures. Their computers are small, simple to setup and easy to install. These systems have been the perfect solution for our HMI's."



## RAPID-LINE

"No matter what we did to try and protect the hardware the dust always found a way in. Logic Supply provided us with a great opportunity for cost savings through their fanless computer line. Whenever a need for a new computer in the shop comes up, the first place I turn is Logic Supply."

# Logic Supply Makes Hardware Buying Easy



### Dedicated Account Manager

- With you every step of the way, from consultation through purchasing.
- Get your questions answered quickly.
- Be treated like a valued partner, not an order number.



### Re-purchase Online Quickly

- Shop by product line, application or feature.
- Easily re-order right on the website.
- Solutions specialists available if you have any questions.



### Short Lead Times

- On-site assembly means your hardware can be built quickly.
- Our lifecycle management specialists ensure reliable product availability.
- We focus on the logistics so you don't have to.



### Net 30 Day Terms\*

- Makes payment and record keeping easier.
- Place multiple orders in a month and pay just once.
- Combine with purchase orders to make ordering and payment simple.



### US-Based Service and Support

- Not just a sales team, but knowledgeable technical experts.
- In-house support gets your questions answered quickly.
- Get help online, via email or over the phone.



### Custom Quotes and Quantity Discounts

- Have a specific need? We'll develop a custom quote.
- We can help you consolidate orders for the best shipping rates.
- Our carrier relationships help ensure low shipping costs.

### Try Logic

Take 30 days to test out one of our Industrial PCs. We're so confident that we can help you reduce downtime and sleep more soundly at night that if you're not 100% satisfied we'll take the system back and refund your money.\*\*

\*Net 30 terms subject to account review and credit approval.

\*\*Offer is limited to systems, and one unit per customer. Unit must be shipped back to Logic Supply with 30 days of initial ship date. Normal restocking fees are waived. Software purchases are not included and are not refundable. Expedited assembly and validation is not refundable. All other Terms & Conditions apply.

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