

# MAPLE SYSTEMS

## HEAVY INDUSTRIAL PANEL PCs

Powerful Industrial Control Solutions

PC400 Series • PC2300 Series





# MAPLE SYSTEMS

POWERFUL INDUSTRIAL CONTROL SOLUTIONS

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# ABOUT US

## MAPLE SYSTEMS COMPANY PHILOSOPHY

### Maple Systems Specializes in Operator Interface Solutions

We are committed to quality, reliability, and affordability. Our products deliver the quality you deserve, the reliability you demand, with a value that will drive your growth. Whether your customers are residential, commercial, or industrial; whether you create custom automation and integration solutions or manufacture products that require 21<sup>st</sup> century control, Maple Systems adds value and improves your bottom line.

### We Make Machine Control Easy

With modern touchscreens, unrivaled value and functionality, combined with intuitive software, Maple Systems provides a versatile offering of products to complement your machine's design. Our products include:

- Touchscreen HMIs
- Open HMIs
- HMI + PLCs
- PLCs
- Light Industrial Panel PCs
- Heavy Industrial Panel PCs
- Text-Based Alphanumeric OITs

Our goal is to offer high-quality control solutions at affordable prices. We strive for continuous product improvement by being experts in our field, employing the latest technologies, and ensuring that every product is fully tested and inspected before leaving our facility. Paired with an outstanding support team and our comprehensive technical website, you'll see that Maple Systems truly is *your* industrial control solution.

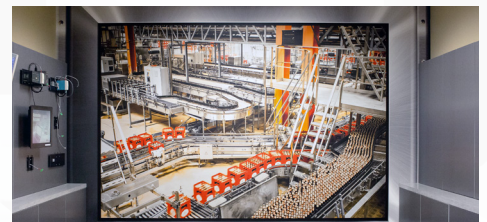
### Contact Us Today

We invite you to explore our product offerings and contact us to discuss how Maple Systems can help solve and support your automation and control needs:

**Phone:** 425.745.3229

**Email:** [sales@maplesystems.com](mailto:sales@maplesystems.com)

**Website:** [www.maplesystems.com](http://www.maplesystems.com)



# INDUSTRIAL PANEL PC OVERVIEW



## Heavy Industrial Panel PCs Offer the Scalability and Flexibility You Need for Custom Industrial Applications

Our Heavy Industrial Panel PCs are the perfect solution for organizations requiring a high performance at a low-cost to run custom applications. State-of-the-art architecture includes Intel processors, more memory, and fan or fan-less models to meet your requirements.

These units exemplify cutting-edge industrial touchscreen technology. Our award-winning Panel PCs have everything you need in an industrial computer including:

- Fast processors
- Impressive connectivity
- High-quality components
- Sharp, clear high-contrast TFT displays
- Are available in several sizes, ranging from 15" to 19" displays
- Mount securely to a panel or VESA 100 compatible mount
- Can be configured to communicate with most PLCs and motion controllers for easy control system integration





Our Heavy Industrial Panel PCs are ideal for complex automation tasks in industrial manufacturing, processing and fabrication environments. From automobile assembly plants to the food processing industry, these units are designed to resolve your toughest automation challenges. And because they are full-strength industrial computers, our Industrial Panel PCs can operate any Windows Software - providing you with flexible options.

## PC400 Models:

- 15", 17", and 19" Touchscreens
- Intel® Dual-Core Processor G630T, 2.3 GHz (*upgrades available*)
- 4 GB Memory
- 320 GB HD (*upgradable to 500 GB*)
- 5 Serial Ports
- 4 USB 2.0 (19" has 6x USB 2.0)
- 2 USB 3.0 Ports
- 2 Ethernet LAN, 2 SFP Optical ports
- Aluminum Bezel and Rear Steel Enclosure
- NEMA4, CE, FCC, RoHS, and IP66 Compliant
- Windows 7 Pro for Embedded (32-bit)
- 1 PCI Riser Card Available
- 1 PCIe Riser Card Available



## PC2300 Models:

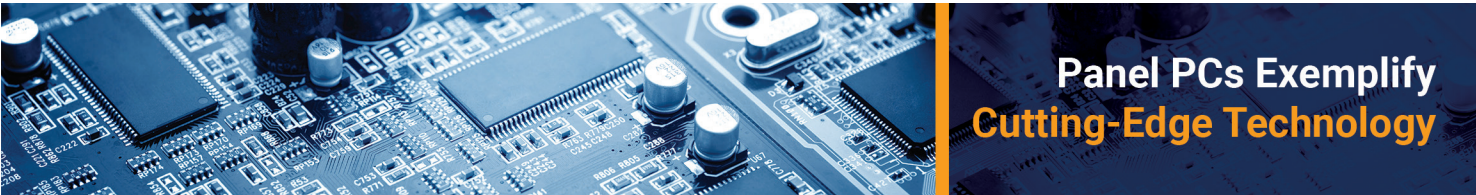
- Fanless 15", 17", and 19" Touchscreens
- Intel® Core Mobile i3-3120ME (*upgrades available*)
- 4 GB Memory (*upgrades available*)
- 500 GB HD (*upgrades available*)
- 4 Serial Ports
- 4 USB Ports
- 2 Ethernet LAN
- Aluminum Bezel and Enclosure
- NEMA4, CE, FCC, RoHS, and IP65 compliant
- Wi-Fi Optional
- Windows 7 Pro for Embedded (32 or 64-bit); WIN10 IoT Enterprise Available
- 1 PCI Riser Card Available
- 1 PCIe Riser Card Available



State-of-the-Art Architecture to Meet Your Needs.

All of our Heavy Industrial Panel PCs feature an aluminum bezel and enclosure and are built to withstand the harsh environments found in industrial sites. Each unit is fully certified to meet European CE standards for noise emission/immunity.

Part Number	PC415C	PC417C	PC419C	PC2315A	PC2317A	PC2319A
Screen Size (Diag)	15.0"	17.0"	19.0"	15.0"	17.0"	19.0"
CPU	Intel® Pentium® G630T Dual-Core Processor	Intel® Pentium® G630T Dual-Core Processor	Intel® Pentium® G630T Dual-Core Processor	Intel® Core™ Mobile i3-3120ME Processor	Intel® Core™ Mobile i3-3120ME Processor	Intel® Core™ Mobile i3-3120ME Processor
CPU Benchmark	2123	2123	2123	3217	3217	3217
Operating System	Microsoft Windows® 7 Pro for Embedded 32-bit	Microsoft Windows® 7 Pro for Embedded 32-bit	Microsoft Windows® 7 Pro for Embedded 32-bit	Microsoft Windows® 7 Pro for Embedded 32-bit or 64-bit (FES 7 Pro)*	Microsoft Windows® 7 Pro for Embedded 32-bit or 64-bit (FES 7 Pro)*	Microsoft Windows® 7 Pro for Embedded 32-bit or 64-bit (FES 7 Pro)*
System Memory	4GB DDR3 SO-DIMM	4GB DDR3 SO-DIMM	4GB DDR3 SO-DIMM	4 GB DDR3L SO-DIMM	4 GB DDR3L SO-DIMM	4 GB DDR3L SO-DIMM
Storage	1 x 2.5" SATA 2, 320 GB HDD	1 x 2.5" SATA 2, 320 GB HDD	1 x 2.5" SATA 2, 320 GB HDD	1 x 2.5" SATA 3, 500 GB	1 x 2.5" SATA 3, 500 GB	1 x 2.5" SATA 3, 500 GB
Expandable Storage Slot	Compact Flash	Compact Flash	Compact Flash	CFast	CFast	CFast
Display Type	15" TFT-LCD	17" TFT-LCD	19" TFT-LCD	15" TFT-LCD	17" TFT-LCD	19" TFT-LCD
Resolution	1024 x 768	1280 x 1024	1280 x 1024	1024 x 768	1280 x 1024	1280 x 1024
Touch Screen	5-Wire Resistive Touch	5-Wire Resistive Touch	5-Wire Resistive Touch	5-Wire Resistive Touch	5-Wire Resistive Touch	5-Wire Resistive Touch
Ethernet	2	2	2	2	2	2
Serial Ports	5	5	5	4	4	4
USB Ports	4 x USB 2.0 Type A 2 x USB 3.0 Type A	4 x USB 2.0 Type A 2 x USB 3.0 Type A	4 x USB 2.0 Type A 2 x USB 3.0 Type A	4 x USB 3.0 Type A	4 x USB 3.0 Type A	4 x USB 3.0 Type A
Audio	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In	1 X 3.5 mm Line Out 1 X 3.5 mm Mic In
Construction	Aluminum Front Bezel & Steel Chassis	Aluminum Front Bezel & Steel Chassis	Aluminum Front Bezel & Steel Chassis	Aluminum Front Bezel & Chassis	Aluminum Front Bezel & Chassis	Aluminum Front Bezel & Chassis
Rating	IP66 Front Panel / NEMA4X	IP66 Front Panel / NEMA4X	IP66 Front Panel / NEMA4X	IP65 Front Panel / NEMA4X	IP65 Front Panel / NEMA4X	IP65 Front Panel / NEMA4X
Certifications	CE, FCC, RoHS, & IP66	CE, FCC, RoHS, & IP66	CE, FCC, RoHS, & IP66	CE / FCC Class A / RoHS	CE / FCC Class A / RoHS	CE / FCC Class A / RoHS





# ENHANCED CONNECTIVITY

PC415C



PC2319A



Maple Systems Panel PCs offer many connectivity options needed for diverse and challenging automation and control projects. These include devices that connect via:

- VGA
- USB
- RS-232
- RS-485 and RS-422
- Ethernet

## Connectivity Options

- **Serial Ports** - Our Panel PC offer either 4 or 5 serial ports depending on the model.
- **VGA Port** - Supports a second monitor. This monitor can display the same data that is on your Panel PC screen or a unique image for alarm mode.
- **Multiple USB Ports** - Enjoy easy data and project transfer.
- **Ethernet Ports** - Two Ethernet ports expand remote application possibilities.



# INDUSTRIAL PANEL PC | SOFTWARE



## Windows 7 Pro for Embedded Systems

Maple Systems Panel PCs come standard with Windows® 7 Professional pre-installed and can run all basic Windows applications including Outlook and Internet Explorer. The Windows platform allows configuration with all types of Windows-compatible industrial applications.

## Windows 10 Enterprise LTSC for Embedded Systems

Windows 10 Enterprise LTSC for Embedded Systems is a full professional version of Windows 10, available on our PC2300 models. This powerful operating system delivers enterprise manageability and security to IoT solutions. Additionally, all of the features and functionality that customers expect to find on their desktop PC are available in this version. The Long Term Servicing Branch (LTSC) version ensures long term stability that critical production systems require by updating only necessary operating system components, with significantly fewer update interruptions.

Included Apps:

- Internet Explorer
- MS Word Viewer
- Adobe PDF Viewer
- MS PowerPoint Viewer
- MS Excel Viewer
- Media Player



**Panel PCs**  
**Powerful Software**  
**Solutions**



## Powerful HMI/SCADA Software for Industrial Control

Maple Systems recommends award-winning Web Studio, a powerful HMI/SCADA software package that enables you to create industrial control applications for your unique industry. With easy-to-use commands/tool bars and a Microsoft Windows environment, Web Studio's feature-rich application puts you in the driver's seat of creating your industry process.

### Software Features

Web Studio enables you to:

- Create real-time applications that support animated graphic screens, trends, alarms, reports, and recipes
- Utilize sophisticated security features for system protection
- Utilize the Internet to remotely view multiple applications
- Connect with more than 250 communication drivers for PLCs and controllers
- Provide OPC (client & server) support



Maple Systems Panel PCs are ideal for complex automation tasks in industrial manufacturing, processing, and fabrication environments. And because they are full-strength industrial computers, Panel PCs can operate any Windows Software – providing you with flexible options.

Find out why Maple Systems Panel PCs are ideal for the following applications:

- Kiosk Applications
- Retail Applications
- Plastics Manufacturing
- Packaging
- Breweries/Bottling Plants
- Automobile Assembly
- Transportation
- Power Plants
- Water/Wastewater



Create **Unique** Industrial Control Applications

# INDUSTRIAL INTERNET OF THINGS



## The Industrial Internet of Things (IIoT) Enables Connection to Your Machines and Data Through the Internet.

The IIoT connects powerful data from a manufacturing environment to informational technologies on-site and in the cloud. It offers improved access to more data, better informed decision-making, increased productivity, and higher profits. Many Maple Systems solutions come IIoT-Ready to meet your needs.

### Your IIoT Partner

Maple Systems can serve as your partner in the IIoT, making your leap to a connected factory an easy one. Our interfaces offer a gateway access point to the IIoT, enabling operating equipment on the plant floor to connect to informational technologies of the world wide web, databases, smart phones, analytics software, and more. Achieve better access to invaluable data and open up a world of possibilities for your business with the IIoT.

Our IIoT-Ready interfaces offer numerous benefits for OEMs and their customers:

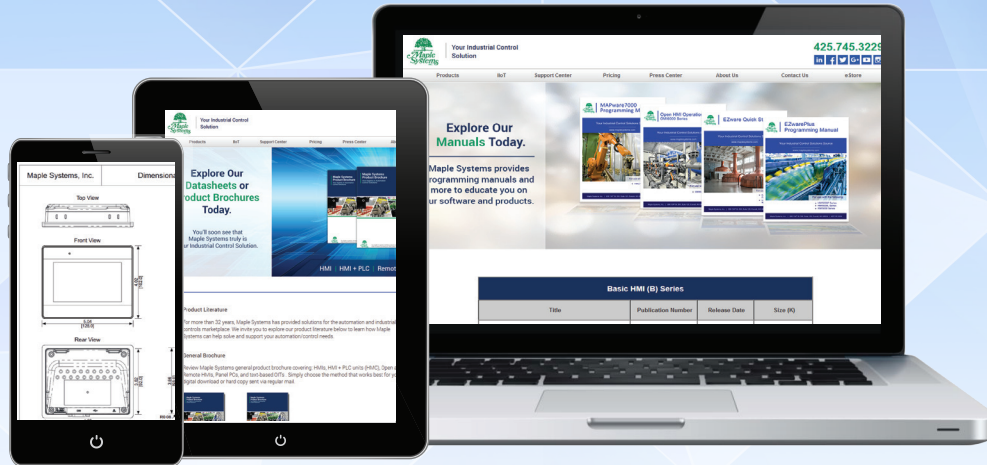
- View how systems are performing and optimize production or machine use to automatically track operations costs.
- A secure connection that safely allows for advanced remote functionality such as push notifications, remote monitoring and programming.
- Reduced on-site visits, travel expenses, and costly downtime with off-site troubleshooting and configuration. Schedule predictive maintenance based on operational data to stay ahead of maintenance issues.



Join the **IIoT** with  
Maple Systems today



# SUPPORT



**The Maple Standard Represents Our Promise to Deliver Quality, Reliability, and Value to Help You Achieve Your Business and Process Goals.**

## The Maple Standard

Maple Systems is honored to be recognized as a leader in the industrial controls marketplace. The Maple Standard represents our dedication to delivering high-quality control products and unmatched support to our valued customers.

## Comprehensive Website and Support Center

Our online support center allows registered customers 24-hour access to Maple's technical documentation. Explore tech notes, product specifications, sample projects, drivers, and software upgrades anytime. We also offer complimentary technical support to customers via email and phone, as well as training videos, whitepapers, and controller information sheets.

Visit us at [maplesystems.com/support](http://maplesystems.com/support) or email us at [support@maplesystems.com](mailto:support@maplesystems.com) for assistance.

## Contact Us

How can Maple Systems help meet your control needs?  
Contact our industrial automation experts today:

**Phone:** 425.745.3229  
**Sales Email:** [sales@maplesystems.com](mailto:sales@maplesystems.com)  
**General Email:** [info@maplesystems.com](mailto:info@maplesystems.com)  
**Website:** [www.maplesystems.com](http://www.maplesystems.com)





## Maple Systems

808 134th St. SW Suite. 120  
Everett, WA 98204



MAPLESYSTEMS.COM • (425) 745-3229