

Level II HMI Solutions: InteractX on a PX PowerStation

PERFORMANCE	10" Display (PX10)	12" Display (PX12)	15" Display (PX15)	18" Display (PX18)
GOOD	InteractX Windows HMI: Example: Panel Replacement, Alarms, Networking, VBA, OPC, etc.			
BETTER	InteractX Windows HMI & Standard Applications: Example: MS Office, Trending, Machine Changeover, etc.			
BEST	InteractX Windows HMI & High Level Applications: Example: Database Management, SPC, Manufacturing Reports, etc.			

InteractX Powerstations

PX Series PowerStations are Industrial PCs with InteractX™ Windows HMI runtime software licensed and installed. These units allow you to mix and match features with 10" to 18" TFT displays, GHz-level processors, a choice of operating systems and several expansion bus options. With InteractX Windows HMI software factory-installed and tested on the PX Series units, there's no need to integrate hardware and software products from different suppliers. The PX models offer industrially-hardened reliability with Windows 2000/NT/XP or Windows NT/XP Embedded, running on either hard drive or CompactFlash. Now you can run Windows-based HMI without rotating media – increasing system reliability in the most demanding environments.

Other PX Series features include:

- ▶ InteractX Windows HMI Runtime Software - factory installed, tested, licensed, and ready to go "out of box"
- ▶ InteractX support of automatic resolution scaling, allowing you to run the same HMI software on all models – from 10" VGA displays up to 18" SXGA
- ▶ CompactFlash design fully supports Windows operating systems, along with "drop in" updating of applications – without a rotating hard drive media!
- ▶ Rugged design for NEMA 4/4X applications and 0-50°C environments
- ▶ Analog resistive touchscreen design
- ▶ 10/100-Base-T Ethernet
- ▶ 2 USB ports and 3 COM ports including one RS-232/422/485 (selectable)
- ▶ Mouse port, keyboard port
- ▶ Standard PC/104 expansion bus with optional ISA or PCI expansion
- ▶ Various other options are available

The CTC Advantage

At CTC Parker, we take pride in delivering quality HMI solutions that you can count on to operate 24 hours a day - regardless of harsh factory floor environments. By being a single source supplier of both HMI hardware and software, we are able to simplify integration, support and training for users. Our software and hardware are tested together under the same roof, giving you the best possible system performance with the highest level of reliability. In fact, our units are thoroughly tested, meeting the challenge of passing more tests in one day than most other units see in a lifetime.

It is quality-driven testing like this that builds in the reliability you need on the factory floor.



All CTC PowerStations feature CompactFlash nonvolatile, solid-state storage that offers significantly higher reliability than hard drive technology.

Get a Free CTC Software Demonstration CD!
Take a closer look at CTC's software solutions.
Call 1-800-233-3329 or visit our web site at ctcusa.com to get your free CD.

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SWB.4/04

Parker
Automation

CTC HMI Software

Interact HMI

InteractX Windows HMI



Level I HMI Solutions: Interact on a PowerStation



Interact Powerstations

There are three Interact PowerStation families with a range of workstations to meet the needs of any application. This flexible line of workstations lets you select display sizes ranging from 5" to 15", with a variety of expansion and storage capabilities to get the right solution for your application. Every PowerStation is bundled with Interact™ and comes equipped with many helpful features such as built-in Ethernet and removable CompactFlash for solid-state storage. With this combination of hardware and Interact software, all you do is load your application and go.

NEW!

PA Family CTC's new line of PA PowerStations provides economical pushbutton panel replacement with the option to include more advanced software features. The PA family includes 5", 6", 8" and 10" color display touchscreens with CompactFlash storage, RS-232, RS-422/485 and 100Base-T Ethernet ports, as standard features.

P1 Family Including the P1H, P1, P1P and P1-10" products with 6" and 10" touchscreen options, the P1 Family offers color and monochrome displays and the same Interact software capabilities as the PA family. The P1 models also support a PC/104 expansion bus, parallel port and MachineLogic™ PC-Based control.

PS Family With larger display-based systems, the PS family includes 10", 12", and 15" touchscreen options, as well as a 10" function key system. These models feature the same Interact software capabilities as the PA and P1 families with additional hardware options such as hard drive storage, PC/104 or ISA/PCI expansion bus, parallel port, CD-ROM, external video and MachineLogic PC-Based control support.

Parker
Automation

Level I Applications

Interact HMI Software

Interact is a feature-rich software package that can be tailored to meet the needs of any HMI project. It offers the ease-of-use of Windows for development, with speed and reliability in a runtime environment. Interact's modular configuration allows you to scale up from simple pushbutton panel replacement to full-function operator interface applications using the same software platform. Interact lets you build an application with 3-D panel tools, trending, networking machine configuration and more.



Development

- Easy-to-use Windows development environment
- Intuitive menuing and on-line help simplify application development
- Easily load your applications via CompactFlash and serial or Ethernet download
- Easily import 256 color bit-map images into applications
- Features like Interact's tag editor make it easy to design a standard application and adapt it to meet new machine requirements. Tags can easily be switched from one PLC manufacturer to another.

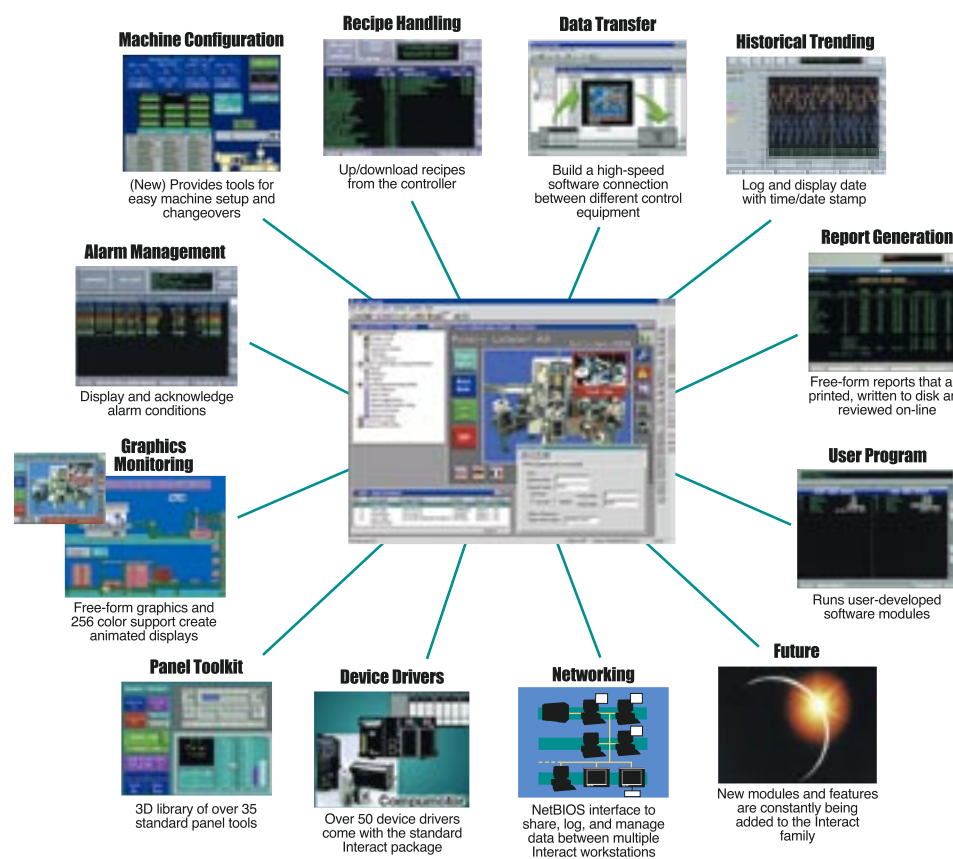
Runtime

- Runs on any PC or can be bundled on CTC's full line of PowerStations
- Operator-friendly monitoring and alarming features create an intuitive HMI for operators, maintenance and support personnel
- High performance, reliable run-time environment
- Device drivers for most PLCs and control equipment are part of the standard Interact package

Networking

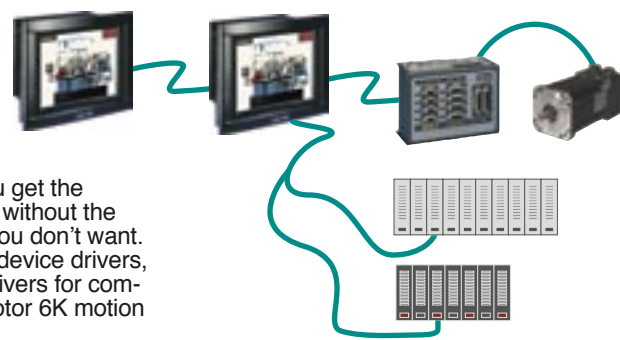
- Transfers multiple Interact applications throughout the manufacturing facility – or in remote locations using off-the-shelf LAN/WAN operating systems
- Shares real-time data between factory floor workstations
- "Network aware" software architecture simplifies "centralization" of applications and/or program files on a network server
- Sends real-time data directly from the plant floor to MIS or Supervisory stations
- Connects to remote nodes via modem over public telephone lines

A Modular Architecture For Future HMI Needs



Interact Connectivity

With Interact HMI, you get the connectivity you want without the complexity and cost you don't want. Interact includes 50+ device drivers, as well as Ethernet drivers for common PLCs, Compumotor 6K motion controllers and more.



Export your Interact applications to InteractX Windows HMI...

Two Levels of Factory Floor HMI...

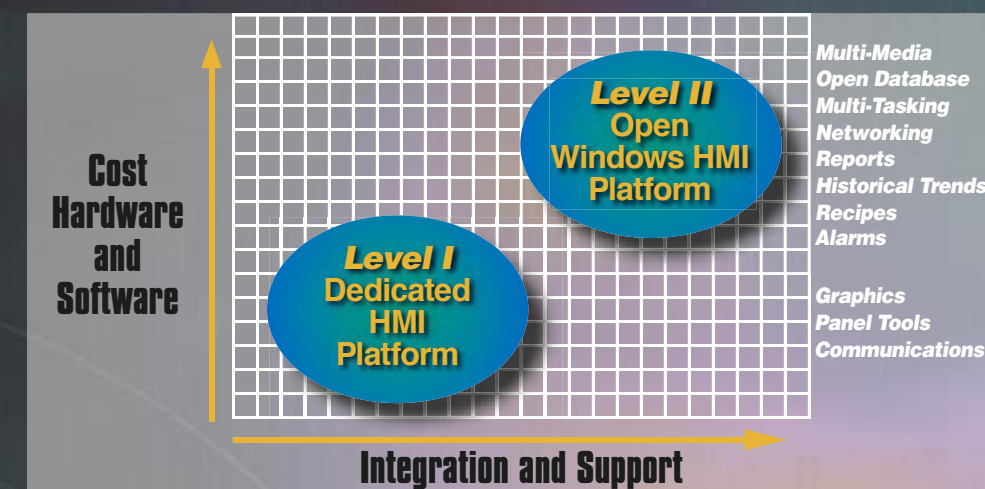
Today's factory floor HMI market can be broken down into two basic product categories that address different levels to meet the requirements of your applications...

Level I - Dedicated HMI Platform:

A combined hardware and software solution is provided as a single graphical operator interface product. These applications typically include panel replacement functionality with real-time device communications.

Level II - Open Windows HMI Platform:

Windows-based software is combined with Industrial PC hardware, enabling operator interface functionality and higher level applications. These applications typically include machine control, data integration with back office systems and specific customizations for meeting unique application requirements.



Leverage your engineer's time. Use CTC utilities to migrate your Level I, Interact HMI applications to Level II, InteractX software.

Level II Applications

InteractX Windows HMI Software

A Revolution in HMI

Although many of today's Windows® HMI software products offer ease-of-use and integration advantages, none of them can match the benefits of using InteractX. It has the most advanced development interface and graphics of any Windows HMI, with the lowest installed cost and development complexity for machine builders.

InteractX HMI software runs in Windows on any office or Industrial PC. Designed for machine control applications, InteractX offers the most advanced graphics of any Windows HMI product.

Software Features Include...

- ◆ **Unlimited Tags**, unlimited panels, unlimited alarms – just unlimited!
- ◆ Interface with major PLC brands, including serial and Ethernet drivers, using **45+ Communications Drivers** included with InteractX
- ◆ Simplify factory and field support with "Pack & Load" project management tools
- ◆ Monitor/acknowledge real-time and historical **Alarms** using advanced features
- ◆ **Network** and share real-time data with HMI, SCADA and back office applications via Ethernet
- ◆ Connect to any 3rd-Party OPC Server with **OPC Client Interface**
- ◆ Access any InteractX tag from SCADA systems, DCS and MIS applications with the built-in **OPC Server**
- ◆ Host off-the-shelf, 3rd-party **ActiveX** tools such as vision applications and Windows Media Player
- ◆ Customize any application with Excel, Access, VB or C++ programs using **ActiveX Automation**
- ◆ Access and customize tools, graphics, alarms, application properties and tags with InteractX's fully integrated **Visual Basic for Applications (VBA)**
- ◆ Maintain multiple user security levels to develop **21CFR11 Compliant Applications**
- ◆ Easily translate any InteractX application for international markets with **Multi-Language Support**
- ◆ Import/export drag-and-drop tags into Excel or other software packages using **Integrated Tag Editor**



InteractX System Requirements

Development Systems Supported

- Windows 2000
- Windows NT
- Windows XP Pro

Runtime Systems Supported

- Windows 2000
- Windows NT/NT Embedded
- Windows XP Pro/XP Embedded

