**Interact Xpress**

Touchscreen HMI with Integrated Webserver

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**Applications:**
- Aerospace
- Climate control
- Electromechanical
- Filtration
- Fluid & gas handling
- Hydraulics
- Pneumatics
- Process control
- Sealing & shielding

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Touchscreen HMI with Integrated Webserver - Interact Xpress

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The global leader in motion and control technologies

A world class player on a local stage

Global Product Design
Parker Hannifin has more than 40 years experience in the design and manufacturing of drives, controls, motors and mechanical products. With dedicated global product development teams, Parker draws on industry-leading technological leadership and experience from engineering teams in Europe, North America and Asia.

Local Application Expertise
Parker has local engineering resources committed to adapting and applying our current products and technologies to best fit our customers’ needs.

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Worldwide Manufacturing Locations
Europe
Littlehampton, United Kingdom
Dijon, France
Offenburg, Germany
Filderstadt, Germany
Milan, Italy

Asia
Wuxi, China
Chennai, India

North America
Rohnert Park, California
Irwin, Pennsylvania
Charlotte, North Carolina
New Ulm, Minnesota

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For contact information, please refer to the Sales Offices on the back cover of this document or visit www.parker.com
Touchscreen HMI with Integrated Webserver - Interact Xpress

Overview

Description

Distributed HMI in a durable and affordable package

XPR2 PowerStation line offers a hardware/software solution that simplifies and cost-reduces distributed HMI applications. Available with a 6”, 8”, 10”, 15” TFT panel mount touchscreen or new non-display system. XPR2 models are designed to optimize the performance, storage and connectivity features of Interact Xpress™ HMI software.

This CE-based workstations features the latest embedded processor technology supporting fanless operation, CompactFlash® storage, USB, serial and 100Base-T Ethernet connectivity.

Take full advantage of the web for; HMI design, publishing, runtime and support

Interact Xpress fully leverages the wide availability of web browsing software to enable distributed HMI software, remote support and application sharing on the internet and IP networks. Interact Xpress HMI applications are developed, edited, published and run in an HMI that is a web server, allowing users and OEMs to easily publish upgrades and applications to any global location with an internet connection and a web browser.

Interact Xpress combines a rich, graphical runtime interface with HMI development tools that can be accessed from either the HMI panel or any PC running Internet Explorer®.

Features

• Fanless operation
• More than 40 communication drivers
• Complex animation capabilities
• Alarm logging
• Sending email on alarms
• Recipes
• Real time trending
• PDF documents viewing
• Multi language support
• Screen templates

Technical Characteristics - Overview

<table>
<thead>
<tr>
<th>Display</th>
<th>262,144 color TFT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage options</td>
<td>512 MB CompactFlash</td>
</tr>
<tr>
<td>Operating system</td>
<td>Windows CE</td>
</tr>
<tr>
<td>Ports</td>
<td>• 2 USB</td>
</tr>
<tr>
<td></td>
<td>• RS232/422/485</td>
</tr>
<tr>
<td></td>
<td>• 10/100 Base-T Ethernet</td>
</tr>
<tr>
<td>Power supply</td>
<td>24 VDC</td>
</tr>
</tbody>
</table>
Interact Xpress
Overview

Complete Transparency and Supervisory Control

Interact Xpress provides your system with a connection to the rest of the company or the rest of the world. It offers a completely web-published environment where any plant-floor data or information can be accessed from any web browser with an Ethernet connection to the XPR PowerStation on your machine.

- Reduces HMI development time by automatically sharing tags with the ACR9640 programmable automation controller
- Pre-built template screens for common functions reduce your time to market
- Integrated development environment allows applications to be designed and edited on the runtime system
- HMI designer/editor supports multiple runtime versions, eliminating version control management headaches
- Easy, object-based screen development using a "tool bin" of pre-configured panels tools and drag-and-drop editing
- Panel tools include pushbuttons, numeric entry, selection entry, numeric displays, bar graphs, meters, gauges, sliders, message displays, time/date display and more
- 3-D, shaded panel tool graphic are available in multiple styles with no additional work
- Includes an integrated graphics library
- Jpeg (.jpg) and Flash (.swf) image support
- Complex animation capabilities and video support
- Web link support
- Pre-configured alarm tool with automatic collection of historical alarm data
- Integrated tag editor with drag-and-drop tools and import/export to Excel and other software packages

- Development software for offline design/editing supports Windows® 2000 and Windows® XP operating systems
- Reduces SCADA development time by up to 80%, when used with our InteractX SCADA
- Interact Xpress is offered in everything from a no-display system to a 15" integrated display size
- More than 40 bundled communications servers allow Xpress to work with everything from our ACR9640 Xpress to virtually any legacy equipment you may have

- Real time trend display capability: Up to 1000 point historical buffer
  Any tag or expression can be used for values
- Multi Language support:
  Support export applications
  Easily export an application and translate all text, using standard tools

Real-time trending with 1000-point buffer for each pen.
Parker’s Interact Xpress HMI with InteractX SCADA delivers your plant-floor data wherever it’s needed, when it’s needed.

Interact Xpress HMI

With more than 40 communications drivers, our HMI connects to virtually any controller you may have.

InteractX SCADA

InteractX reads tags and displays screens developed in Interact Xpress directly. This level of integration reduces SCADA development times by up to 80%.

Any flash-enabled browser... anywhere

Our industry-leading web-publishing capability allows you to view, control and even edit your HMI application from any Flash-enabled browser... anywhere.

Controllers

We work with virtually any controller. Of course, we work well with the ACR9640 and C3powerPLmc E30, but we also play well with others.

Servo drives

Over the serial connection (RS232/RS485) we have access to any Compax3 object.

3rd party products

With our communication server we have access to all common PLCs in the world.
HMI Power and Connectivity In a Durable, Affordable Package

Interact Xpress software is pre-installed and bundled with XPR2 PowerStation hardware, which is designed to optimize the performance, storage and connectivity features of Xpress HMI. This CE-based workstations is available with 6", 8", 10" and 15" TFT touchscreen display models, embedded fanless CPU technology, 256 MB DRAM and a full range of standard features such as CompactFlash storage, 2 USB ports, 2 RS232 and RS232/422/485 ports and a 100Base-T Ethernet port.

With standard 512 MB CompactFlash storage, XPR2 models use non-rotating storage media for high system reliability. And like all PowerStations, these units are quality tested to endure more harsh conditions in a day than most operator stations see in a lifetime.

XPR2 PowerStations offer durability and no moving parts, to complement Xpress software in providing a high-value, Distributed HMI solution.

Interact Xpress Features

- Sophisticated graphics look and feel with ease of development
- Integrated Web Publishing capability for distributed applications
- Applications can be served, created and edited online from any PC with Internet Explorer
- Available offline, development software allows work on applications when a live Internet connection is not available
- Advanced security for single or multi-user applications
- Tools for historical alarm data
- Capacity for complex graphics and animations
- Standard Ethernet port for both networking and controller communications
- More than 40 device communication drivers
- Unlimited tags
- Color depth to 262,144 colors
## Technical Characteristics

### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>XPR200</th>
<th>XPR206</th>
<th>XPR208</th>
<th>XPR210</th>
<th>XPR215</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display size</strong></td>
<td>Remote unit No display</td>
<td>6” color TFT, 5.7” (145 mm) diagonal</td>
<td>8” color TFT, 8.0” (203mm) diagonal</td>
<td>10” color TFT, 10.4” (264mm) diagonal</td>
<td>15” color TFT, 15.0” (380mm) diagonal</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>VGA (640x480), 262x144 color TFT</td>
<td>VGA (640x480), 262x144 color TFT</td>
<td>VGA (640x480), 262x144 color TFT</td>
<td>VGA (640x480), 262x144 color TFT</td>
<td>XGA (1024x768), 262x144 color TFT</td>
</tr>
<tr>
<td><strong>Luminance</strong></td>
<td>350 NIT</td>
<td>400 NIT</td>
<td>200 NIT</td>
<td>250 NIT</td>
<td>250 NIT</td>
</tr>
<tr>
<td><strong>Viewing angle</strong></td>
<td>±80˚ L/R, 80˚ U, 70˚ D</td>
<td>+/70 L/R, 60˚ U, 65˚ D</td>
<td>+/70 L/R, 50˚ U, 60˚ D</td>
<td>+/80˚ L/R, 80˚ U, 60˚ D</td>
<td>+/80˚ L/R, 80˚ U, 60˚ D</td>
</tr>
<tr>
<td><strong>Backlight</strong></td>
<td>75,000 h</td>
<td>50,000 h</td>
<td>50,000 h</td>
<td>50,000 h</td>
<td>40,000 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>XPR200</th>
<th>XPR206</th>
<th>XPR208</th>
<th>XPR210</th>
<th>XPR215</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Interface</strong></td>
<td>Analog resistive touchscreen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating system</strong></td>
<td>Windows CE version 5.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Processor support</strong></td>
<td>Processor AMD 500 MHz LX800 processor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cache</strong></td>
<td>256 kB (L1/L2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>256 MB DRAM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Storage options</strong></td>
<td>CompactFlash 512 MB CompactFlash external type II slot (IDE bootable)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Floppy/CD ROM</strong></td>
<td>External connection via USB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ports</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Keyboard</strong></td>
<td>USB 2.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mouse</strong></td>
<td>USB 2.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>(2) USB 2.0 ports type-A, CD/floppy/USB drive bootable with over current protection</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Serial</strong></td>
<td>(1) RS232 9-Pin D-sub</td>
<td>(1) RS232/422/485 9-Pin D-sub</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ethernet</strong></td>
<td></td>
<td></td>
<td></td>
<td>(1) 10/100Base-T w/ RJ45</td>
<td></td>
</tr>
<tr>
<td><strong>Power requirement</strong></td>
<td>24 VDC, 2 A maximum, optional AC adaptor</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1) Actual storage volumes may be higher
Environmental Characteristics

Ambient conditions

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature range</td>
<td>0...50 °C</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>5...95 % (non-cond.)</td>
</tr>
<tr>
<td>Shock</td>
<td>10 g, 11 ms (operating)</td>
</tr>
<tr>
<td></td>
<td>30 g, 11 ms (non-operating)</td>
</tr>
<tr>
<td>Vibration</td>
<td>10...500 Hz, 2 gms (random-operational-CompactFlash)</td>
</tr>
</tbody>
</table>

Standards and Conformance

| Agency approval | CE; UL/cUL |

Dimensions

XPR200 mounting dimensions

Right side view
XPR206 cutout and mounting dimensions

- Bezel perimeter: 188 mm
- Mounting clips: 58 mm
- Cutout: 114 mm
- Bezel perimeter: 152 mm

Left side view

- Bezel perimeter: 193 mm
- Cutout: 154 mm
- Bezel perimeter: 259 mm

XPR208 cutout and mounting dimensions

- Mounting clips: 88 mm
- Cutout: 175 mm
- Bezel perimeter: 220 mm

Right side view
Interact Xpress
Technical Characteristics

XPR210 cutout and mounting dimensions

Right side view

XPR215 cutout and mounting dimensions

Right side view
## Order Code

### Interact Xpress

<table>
<thead>
<tr>
<th>Order example</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Series</td>
<td>XPR2</td>
<td>10VT</td>
<td>-</td>
<td>2</td>
<td>P</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1</th>
<th>Series</th>
<th>2</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>00XN</td>
<td>Non-display system</td>
<td>06VT</td>
<td>6” color TFT VGA (640x480)</td>
</tr>
<tr>
<td>08VT</td>
<td>8” color TFT VGA (640x480)</td>
<td>10VT</td>
<td>10” color TFT VGA (640x480)</td>
</tr>
<tr>
<td>15XT</td>
<td>15” color TFT XGA (1024x768)</td>
<td>15AT</td>
<td>15” color TFT XGA (1024x768) Stainless Bezel</td>
</tr>
</tbody>
</table>

### Processor
- 2 AMD LX800 500 MHz–

### CompactFlash
- P 512 MB FLASH

### Agency approvals
- 3 UL/cUL/CE

## Accessories

### Software

<table>
<thead>
<tr>
<th>Order example</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IXM-0200</td>
<td>Xpress Manager, Offline Development Software</td>
</tr>
</tbody>
</table>

### Cables

<table>
<thead>
<tr>
<th>Order example</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSK01</td>
<td>/</td>
<td>01</td>
</tr>
</tbody>
</table>

### Type number of accessory

<table>
<thead>
<tr>
<th>Type number of accessory</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSK01/xx</td>
<td>RS232 cable XPR to Compax3 ³)</td>
</tr>
<tr>
<td>SSK28/xx</td>
<td>RJ45 Ethernet crossover cable ²)</td>
</tr>
</tbody>
</table>

### Length code for cables

<table>
<thead>
<tr>
<th>Length [m]</th>
<th>0.17</th>
<th>0.25</th>
<th>0.5</th>
<th>1.0</th>
<th>3.0</th>
<th>5.0</th>
<th>10.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order code</td>
<td>23</td>
<td>20</td>
<td>21</td>
<td>01</td>
<td>22</td>
<td>03</td>
<td>05</td>
</tr>
</tbody>
</table>

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³) Length code 1 (Example: SSK01/09 = length 25 m)

<table>
<thead>
<tr>
<th>Length [m]</th>
<th>0.17</th>
<th>0.25</th>
<th>0.5</th>
<th>1.0</th>
<th>3.0</th>
<th>5.0</th>
<th>10.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Order code</td>
<td>23</td>
<td>20</td>
<td>21</td>
<td>01</td>
<td>22</td>
<td>03</td>
<td>05</td>
</tr>
</tbody>
</table>

²) Length code 2 for SSK28
Parker’s Motion & Control Technologies

At Parker, we’re guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 0800 27 27 5374.