

PRODUCT DATASHEET

AVEVA™

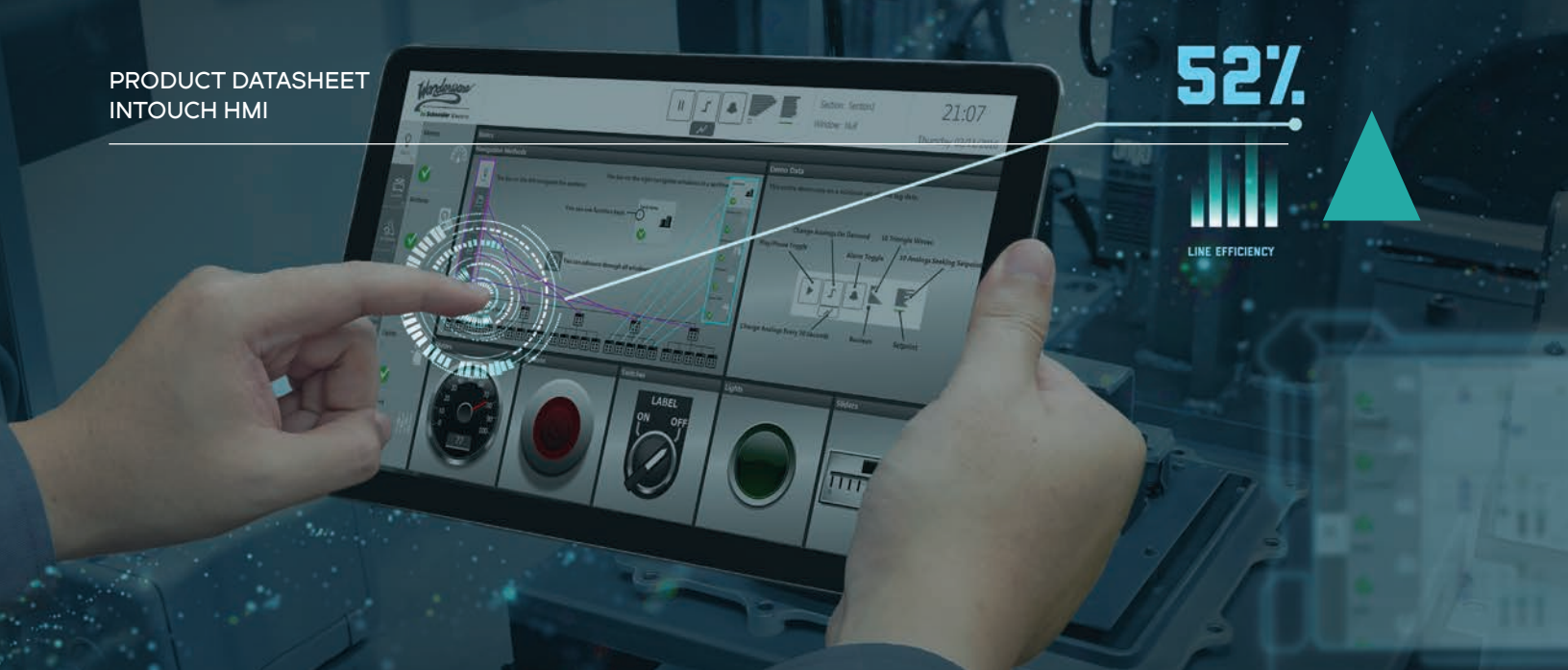
InTouch HMI Powered by Wonderware

The World's #1 HMI

- Legendary ease of use
- Unprecedented engineering simplicity
- Unrivaled migration path protecting your engineering investment
- Market-leading innovation
- Situational Awareness for optimum operational agility
- Access from practically any device anywhere any time
- Unlimited Web Access with read-only access
- Cloud integration built-in for operational reporting and dashboards



LINE EFFICIENCY



Business Value

InTouch HMI enables users to quickly create and manage standardised, reusable industrial applications to maximise the return on engineering, shorten project times, more clearly inform operators, reduce risk and significantly lower total cost of ownership.

Transformational Value

InTouch® HMI, the world's favorite Human Machine Interface (HMI) software, delivers truly transformational value. By improving real-time visibility into your processes, InTouch HMI greatly improves operator effectiveness and increases control of your processes to simplify and enforce standardisation and change management.

Breakthrough Advanced Engineering Tools

InTouch HMI represents a breakthrough in advanced engineering tools delivering faster time to value, more effective HMI design, better trouble shooting, and ease of application maintenance. InTouch HMI includes numerous visual tools, functionality and out-of-the-box content libraries to improve the ability to identify and address abnormal situations before they impact operations.

Problems Solved

Enhanced User Experience

An ever evolving world of computing devices with diverse form factors and interactive capabilities demands new ways of interacting with these devices. InTouch HMI delivers a consistent user experience that empowers organisations to compete and win under evolving operational conditions.

Situational Awareness

Today's operations and plants are becoming larger and more complex with expanded data requirements, increased monitoring load, more alarms, and greater agility requirements. What's more, the role of the operator is expanding, which increases the knowledge and expertise requirement yet reduces the time available to dive deeply into any one area. Knowing "what happened" is no longer sufficient. Operators need the ability to better interpret and understand information to know "why," and to proactively determine how real-time changes may affect the future.

Increased Engineering Productivity

From starting applications faster, to reusing engineering, to designing, adopting, distributing and enforcing standards, InTouch HMI continues to improve tools to help shorten engineering cycles, and reduce your engineering time and costs.



Enhanced User Experience

Pan and Zoom

Pan and Zoom provides a simple, intuitive way to interact with your visualisation applications in a modern multi-touch hardware environment. Pan and zoom can also be enjoyed using keyboard and mouse in addition to a multi-touch interface. Zoom level is also accessible programmatically, enabling powerful tasks such as application clutter/de-clutter and more.

Redesigned Events and Alarms Control

The Events and Alarms Control (EAC) has been redesigned for improved processor performance, and its filtering and sorting capabilities have been extended to provide more flexibility.

Higher Engineering Productivity

New InTouch Script Editor

InTouch Script Editor helps significantly boost engineering productivity.

- Auto-Complete functionality anticipates the engineer's next move, and provides a list of context sensitive intelligent choices.

- Color coding helps more easily identify the different elements of a script: keywords, comments, functions, references, etc.
- Syntax highlighting helps easily spot syntax errors.
- Line numbering helps easily go to specific sections of your script.

Application Templates

Another great productivity tool, Application Templates allow users to start the design of a new HMI application from a base template instead of starting from scratch, saving hours and hours of engineering. Application Templates can be as simple as a navigation framework or as rich as the user desires.

System Integrators can reuse their engineering in multiple projects, OEMs can deliver base applications to their end users, and new users can get started in a shorter time.

Application Templates can be selected via a template browser which provides a thumbnail preview of the templates. Users can organise Application Templates in a folder structure of their choice, by resolution, by industry, by customer, by engineering team, etc.

A number of Application Templates are available out-of-the-box. Users can create their own Application Templates.



Window Templates

InTouch windows can now be defined as templates so new windows can be created from them and inherit window properties, content and scripts; another productivity feature that helps save engineering time.

Application Target Resolution

In a world where more devices of diverse form factors abound, users more often find the need to design applications of uncommon sizes or simply to design an application for displays the designer has no access to. InTouch now allows users to design applications in a target resolution different from the development machine.

'Frame' Type Windows

A new type of InTouch HMI window allows hosting a single simple or complex ArchestrA graphic to fully leverage the power behind the ArchestrA Graphics and vector based technology including, the ability to pan and zoom.

Script and Control DLL import

InTouch HMI allows importing of .NET Script and Control DLLs in Modern InTouch applications.

Increased Reliability

Ability to Run InTouch as a Service (Faceless)

InTouch HMI brings the ability to run InTouch as a GUI-less service, allowing it to be used as a tag server.

OPC UA Connectivity

OPC UA is now supported out-of-the-box.

New Licensing Technology

- Activation based licensing does away with the need for hardware dongles.
- Centralised License Management facilitates administration and auditing of licenses.

- Incremental capabilities provide the opportunity to add additional sessions more easily.
- Reservation capabilities can be leveraged to guarantee a license for a specific node.
- License Server failover capabilities have been added.
- Cost-effective licensing stretches budget to serve more users.

Access from Any Device, Anywhere, Any Time

InTouch Access Anywhere, an add-on for InTouch HMI, continues to empower casual and mobile users, providing reliable, secure and remote browser-based access to InTouch applications from any device, anywhere, any time.

InTouch Access Anywhere features:

- Cyber security enhancements to the Secure Gateway
- New cyber security related settings are secure by default.
- A streamlined start page for a better user experience provides easier access to all settings.
- Support for the latest versions of the major HTML5 compliant browsers:
 - Safari
 - Google Chrome
 - Microsoft Edge
 - Firefox
 - Opera

What's New in InTouch HMI?

Browser Based Read-Only Visualisation for Casual Enterprise Users

While InTouch Access Anywhere provides full access to InTouch HMI applications, InTouch Web Client provides read-only enterprise access to selected real-time information and components of an InTouch HMI application.

Managers and supervisors who require visibility to support tactical or planning functions, but do not require process control capabilities, now have a low cost solution that provides simple access to process and plant information such as status, KPIs, OEE and more

- InTouch Web Client can be used with the major HTML5 compliant web browsers
- InTouch Web Client is licensed on a server basis. An unlimited* client license is available. With InTouch Web Client, companies can provide web access to more users at a lower cost.
- InTouch Web Client provides HTML5 support ArcestrA graphics, alarms and trends

Cloud Integration

InTouch HMI offers tighter cloud integration, namely AVEVA InSight. InSight Publisher is included with the InTouch installation to facilitate pushing InTouch tag data into the cloud for operational reporting, charting and dashboarding. Moreover, a FREE 'Essential' AVEVA InSight subscription provides initial step in transforming HMI data into operational insights for business and casual users.

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