Lower Costs with InTouch Edge

Daniele Riboni
InTouch Edge Introduction

Who is it for?

Everyone!

- Wants to get started with SCADA, HMI and/or Operator Panels
- Needs an open platform not tied to a single hardware vendor
- Short Learning curve and support readily available
- Looks for a scalable solution that fits the budget
Recent results

Sales

Introduction to the Market

+100% on 2015

+120% on 2016

+160% on 2017

CY2015

CY2016

CY2017

CY2018 (YTD)
THANK YOU!
Versatility

Productivity  Reliability  Security

Portability

Windows 10  Windows Embedded Standard 7  Windows Embedded Compact  Linux

Mobility

Internet Explorer  Chrome  Firefox  Safari

Interoperability

SNMP  MQTT
Portability

InTouch Edge HMI “Full runtime”
- Windows 10
- Windows 8
- Windows 7
- Windows Server 2012
- Windows Server 2008 R2

EmbeddedView
- Windows Embedded Standard 7
- Windows IoT
- Windows Embedded Standard

CEView
- Windows Embedded Compact

IoTView
- Linux
- VxWorks

Develop once, Deploy anywhere

SCADA

HMI

COMPACT HMI

IOT EDGE

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Mobility

Studio Mobile Access (SMA) Thin Clients

Platforms: Agnostic
Host: Web Browser agnostic
Technology: HTML5

Secure Viewer Thin Clients

Platforms: Windows
Host: Secure Viewer (executable)
Technology: ActiveX

Web Thin Clients

Platforms: Windows
Host: Web Browser (Internet Explorer)
Technology: ActiveX
Interoperability

Native communication drivers for 200+ protocols

OPC (DA, XML, .NET, and UA)

Patented database connectivity

Open API (driver toolkit)
Easy-to-configure interface to Wonderware Historian & AVEVA Insight, or any SQL Relational Database: SQL Server, MySQL, MS Access, Excel, etc

Redundancy and Store-and-forward built-in features

Built In Data Logging – Works with Any Database

Alarm history, Event history, Trend history, Process data, OEE dashboards, and more.
Integration with Wonderware System Platform

Best in class solution integrating local HMIs with central SCADA system, increasing productivity and quality

✓ Seamless IDE integration
✓ ArchestrA Galaxy Repository
✓ Automatic point mapping
✓ Event-driven value communication
✓ Synchronized Alarm Status
✓ Native support for Wonderware Historian
✓ Remote Management and Deployment
Manufacturing Example Architecture

Control Room Workstation

InTouch Machine Edition
Development/Runtime
Data Logging
PLC Connectivity

Supervisor Desktops &
Operator Workstations

Phones, Tablets &
Laptops

TV Dashboards

PLC

Touch Panels

PLC
PackML, which stands for Packaging Machine Language, defines a common approach, or machine language, for automated machines. The primary goals are to encourage a common "look and feel" across a plant floor and to enable and encourage industry innovation."

-OMAC

"Overall equipment effectiveness (OEE) is a concept utilized in a lean manufacturing implementation. OEE is becoming a commonly utilized maintenance metric within lean organizations. The high-level formula for the lean manufacturing OEE is:

\[ OEE = \text{Availability} \times \text{Productivity} \times \text{Quality} \]

-Reliable Plant Web Site

"Andon (Japanese: アンドン or あんどん or 行灯) is a manufacturing term referring to a system to notify management, maintenance, and other workers of a quality or process problem. The center piece is a signboard incorporating signal lights to indicate which workstation has the problem."

-Wikipedia
Licensing

The Power of Choice

Support for all features in any product type always meets your needs.
Different product types to fit your budget.

**IDE and/or FULL RUNTIME**

- **ITEH UNLIMITED**
- **ITEH 60K tags**
- **ITEH 3K tags**
- **ITEH 1K tags**
- **ITEH 500 tags**

**EmbeddedView, CEView, or IoTView**

- **ITEH 3K tags**
- **ITEH 2K tags**
- **ITEH 1K tags**
- **ITEH 500 tags**
- **ITEH 100 tags**

*NEW!*
InTouch Edge HMI Touch Panel: Recording at the Edge

- **10” InTouch Edge Panel 500 Tags**
  - Cost: $1,705
  - Part Number: MOD.AD10.1-500

**Includes:**
- Connect to any PLC
- Data Logging & Trending
- Integration with System Platform, Historian, AVEVA Insight
- Alarming & Email/Text Notification
- 1x Concurrent Web Client

Win10 IoT LTSB, Celeron N2930, 8GB DDR3, 128GB SSD, IP65, 24VDC, 1024x768 Resolution, Fanless
**InTouch Edge System License Example**

- **InTouch Machine Ed. Runtime 1k Tags**
  - Cost: $2,005
  - Part Number: ITMER-02-N-17
  Includes:
  - Full Runtime + 1 Concurrent Web/Thin Client
  - Connect to any PLC
  - Data Logging & Trending
  - Alarming & Email/Text Notification

- **Additional Concurrent Web Client**
  - Cost: $625
  - Part Number: ITMETC-02-N

- **Development**
  - Cost: $1,085
  - Part Number: ITMED-01-N-17U
InTouch Edge Unlimited License

**UNLIMITED Tags**

**UNLIMITED Clients**

**DEV+RT**

**All features included**

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<th>DESCRIPTION</th>
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Wonderware IIoT Pricing Example

• AVEVA Insight Online 100 Tags, 5 Named Users
  $2,585 Annual Subscription
  p/n WWOIS-02-S-17
  • Includes Insight Browser Client
  • Insight Mobile App
  • Desktop Trend
  • OData Rest Interface
  • Historian SDK

• ITME IoTView 100 Tags
  $165 One Time License
  p/n ITMEIV-01-N-17
  • Includes all Drivers/Database Connectivity
  • Store & Forward Data to Wonderware Online
  • (1) Web Client
  • Supports Linux & VxWorks

https://online.wonderware.com
Import Wizard for FactoryTalk™ ME/SE, PanelView & PanelMate
Import PLC Tags from Allen Bradley, Modicon, Siemens & more

✓ Improves efficiency when designing and maintaining applications.

✓ Evolving list of data sources supported, including:

✓ TwinCAT (Beckhoff)
✓ CodeSys (3S)
✓ RSLogix 5000 Family (Rockwell)
✓ Allen-Bradley PLC5, SLC500 (Rockwell)
✓ AutomationDirect Koyo (AD)
✓ AutomationDirect PAC 3000 (AD)
✓ Schneider Unity Modbus (Schneider-Electric)
✓ Schneider OFS
✓ Siemens S7-1500
✓ OMRON (SYSCMAC)

Tag Integration Source

Tag Integration Configuration
Native Integration with Win911

Win911 Integration for remote notification

1. WIN-911 Integration to ITEH
2. Advanced Callout Escalation
3. Receiving and Acknowledging Alarms on Mobile Devices
Upcoming features

Mobility: Native support for ArchestrA Graphics

Deployment: Cloud-based App Management

Portability: Embedded App Screens in Aveva Insight

Development: Support for native JScript engine
Takeaways

A complete All-in-One solution for Everyone

Easy to learn

Fast Develop

Quick to Deploy