Introduction to InTouch® Compact Edition

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Introduction

InTouch Compact Edition is the software that installs the InTouch 'runtime engine' on Compact Panels using Windows® CE.

Frequently-Asked Questions

Which Applications Would Find InTouch Compact Edition Most Useful?

InTouch Compact Edition is a response to long standing user requests for a compact, cost-effective version of InTouch. Compact Edition is suited for smaller (1000 tag) single node applications where the advanced functionality of standard InTouch is not necessarily needed but the familiar look and feel of InTouch is. Compatibility with CE (installed on a compact flash) allows a low-cost alternative without compromising fundamental InTouch features.

Which Software Comes Pre-installed and Pre-tested on the Compact Panels?

InTouch Compact Edition, Windows CE 6.0, I/O Drivers, and licensing to run HMI applications up to 1,000 Tags with I/O are provided on Compact Panels. The CE operating system, InTouch Compact Edition and Compact Panel Computers are presented as a single product and should be treated as inseparable parts of the same entity.

How is an Application Developed for Compact Edition?

Development is done using the IDE on a separate development node. The application is sent over the network to the Compact Panel. The Compact Panel Computer (CPC) only has InTouch Compact (runtime) on a CE platform.

Prior to sending the application, a validation process flags components of the application (script functions, Active X Controls , wizards) that are incompatible with InTouch compact edition.

How does InTouch Compact Communicate with PLCs?

InTouch Compact uses preinstalled IO Drivers specifically developed for CE. The documentation for each IODriver is provided when you install the **Extensions for InTouch Compact Edition** software.

Which IO Drivers are Available and Included with the Compact Panel?

The following Device Drivers are supported:

Supported Device Drivers

- **SIETH:** Siemens Ethernet Driver for S7-400 and S7-300
  - Any Siemens S7-300/400 PLC communicating via an Industrial Ethernet interface

- **ABCIP:** ControlLogix, MicroLogix
  - ControlLogix 5000 Family with 1756-ENET or 1756-ENBT module installed
  - FlexLogix
  - CompactLogix
  - MicroLogix 1100

- **MODBU:** Modbus Serial
  - AEG CPU 984 Series
  - AEG CPU Compact
  - Siemens S7 S200 (using a special ladder program to emulate the Modbus protocol on the free port)
  - Any device that is compatible with the Modbus protocol

- **MOTCP:** Modbus Ethernet
  - AEG CPU 984 series
  - Any device that is fully compatible with the Modbus protocol

- **MITSA:** Mitsubishi Serial for A Series
  - A Series PLCs

- **MITSU:** Mitsubishi Serial for F Series
  - FX Series programmable controller with Monitor Interface FX-232AW

- **MELSEC:** Mitsubishi Ethernet
  - QnA and Q Series PLCs

- **OMETH:** Omron FINS Serial and Ethernet
  - CS1, CJ1, and CJ1 series using CS1 mode
  - CV, CVM1, and CVM1D series using CV mode
  - Omron PLC programmer software: SYSMAC

- **SRTP:** GE Ethernet
  - Series 90 PLC

- **FANUC:** GE Serial
  - PLCs Series 90 – 20/30/70

- **ABTCP:** DF1 over TCP
  - PLC5 series, PLC2 series, SLC500

- **ABKE:** Allen Bradley Serial
  - PLC5 series
  - PLC2 series
  - SLC500
  - MicroLogix: 1100/1200/1500 (compatible with SLC500 series)

How Many PLCs Can be Used with a Wonderware Compact Panel?

Compact Panels support two IO Drivers running at any one time.

Where Can I Find the Documentation for the IO Drivers?

The documentation for the IO Drivers is installed on your hard drive during the installation of InTouch Compact Edition. You will find the PDF files in the **C:\Program Files\ArchestrA\Framework\Docs\1033** directory. The files included with the installation are: ABCIP.pdf, ABKE.pdf. ABTCP.pdf, FANUC.pdf, MELSE.pdf, MITSA.pdf, MITSU.pdf, MODBU.

pdf, MOTCP.pdf, OMETH.pdf, SIETH.pdf, and SRTP.pdf.

These files can also be **downloaded** from the Technical Support website under the Documentation section under **Self Support**.

Can One InTouch Compact Node Communicate with Another InTouch Compact Node on a Multi-node System?

An InTouch Compact Edition application running on a Wonderware Compact Panel does not communicate directly to other InTouch Compact nodes. It is typically used as a local HMI dedicated to a particular machine and communicates to a dedicated PLC.

How Can a Wonderware Compact Panel Communicate to the Rest of the Enterprise?

Communication from the enterprise can be accomplished by using the Wonderware Compact Panel DA Server (**CP DAServer**). This server reads/writes real-time data from/to tags in an InTouch Compact Edition application and serves the data to InSQL/Historian Server or other Wonderware applications like InTouch or Application Server/ System Platform.

The CP DAServer exposes the tags on the Wonderware Compact Panel as item names. Please note that the CP DAServer cannot be installed on the Compact Panel itself.

Do Compact Panels Have Historical Trend and Alarm Displays?

Yes. The Compact Panels have historical logging and displays. The Compact Panels do not display objects like Trend Displays or Alarm Displays. Instead, there is a common Trend window and a common Alarm window. Each of these windows provides a trend or an alarm object, with configuration options via buttons on the screen. InTouch Trend and Alarm Displays are converted to buttons on a Compact Panel window.

You can click the button and Trend or Alarm Display displays full screen supporting the following functionality:

- You can write a script to animate a warning that an alarm has occurred and instruct the user to click the button;

- You can create your own button that automatically opens the alarm window.

- Historical Trend and Alarm data are limited to the last 72 hours (local alarms).

What if I Want to Store or View Alarm or Historical Data More Than the Last 72 Hours?

Using the Compact Panel DAServer, you can pull Compact Panel data to other applications like IndustrialSQL Server or other InTouch nodes, then save and view the historical data.

Can a Compact Panel be Integrated to a Domain Security Concept?

No. Windows CE does not have the same security as Windows XP.

Does InTouch Compact Edition Support InTouch Security Features?

Yes. Compact Panels support InTouch Security or no security. The only limitation is a total of 255 access levels on Compact Panels.

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For technical support questions, send an e-mail to **support@wonderware.com**.

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