

# Product Bulletin

## ControlView Intelligent OIT

### Product Summary

Full featured Industrial Panel PC with embedded Human Machine Interface (HMI) and Web-Enabling Software featuring:

- Full featured industrial PC priced lower than proprietary HMI panels
- Color STN or TFT LCD display with touch screen
- Powerful HMI software created for FlashPoint by InduSoft
- FlashPoint Application Developer and Customization Toolkits
- Standard Web Server
- Over 140 communication drivers included
- Total connectivity to high level networks

### Innovative Minds

....Intelligent Solutions



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The two main components of **ControlView Intelligent OIT** are: a) powerful graphics, HMI software with Web server and b) an industrial, Pentium class Panel PC.

- **ControlView** software is a powerful, cost effective HMI runtime package with alarms, trends, recipes, reports and much more. Embedded control from **ISaGRAF** is also available.

Designed by **InduSoft** for FlashPoint this powerful visualization package provides on-line configuration and remote data management

The supplied Web Studio serves as an ActiveX container. Visualization can be through traditional HMI or browser based using embedded web connectivity

- The 6.0" color LCD industrial PC comes standard with touch screen and WinCE

32 Meg of DRAM, 16 Meg of Flash with expandable Flash via a standard PCMCIA card interface

6.5" Color TFT (640x480) 64K colors or 6.0" Color STN (320x240) 256 colors

Standard 206 MHz high speed embedded CPU with real time clock and on board Ethernet

The **ControlView Intelligent OIT** from FlashPoint Technologies is a completely integrated Web Browser and configurable HMI for traditional pushbutton control, trend/alarm viewing, web/network connectivity and much more

It is designed around industry standards such as XML, SOAP, ActiveX, OPC, DDE, and Microsoft DNA.

**Unleash the power of CE 3.0 and CE.Net**

**FlashPoint Technologies'** ControlView product family is designed to give OEM's, integrators, and users high level graphics, reporting, and communication capability traditionally available in a package 5 to 10 times the cost.

**Don't let the size of your automation project dictate the power of your HMI and communication capability.**

No longer do you need costly Ethernet interface cards added to your PLC in order to network your controllers

Built with leading edge software tools and components from InduSoft and ISaGRAF, **ControlView Intelligent OIT** for Windows CE offers the most powerful, open HMI/SCADA/Control software available in the world.

**ControlView Intelligent OIT:**

- Open
- Connective
- Networkable
- Flexible
- Scalable
- Web-Enabled

**FlashPoint Technologies**

**Innovative Minds**

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# Technical Overview

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**ControlView** from **FlashPoint Technologies** combines software tools from leaders in embedded technology like InduSoft and IsaGRAF with industrial Pentium Class panel PC's. The goal is to deliver on a promise of open automation embedded into non-proprietary Pentium class hardware.

The **ControlView Intelligent OIT** is designed to replace proprietary HMI panels with limited capability, with a powerful package that provides intelligence, customization tools, open control and visualization, and Web connectivity in a single, standard product. The software was designed and written for Windows CE, taking full advantage of its high speed determinism.

Utilize the power of today's PC processors to create much faster applications on a given target or reduce the number of target machines needed for a given control task. Unleash the power of web connectivity.

The hardware form factor of ControlView provides enough power to tackle projects many times its size. ControlView is **NOT** a proprietary device; it ships with over 140 communication drivers installed. You pick the protocol to match your standards.

## ControlView Hardware Specification:

- Intel StrongARM 1110, 206 MHz processor
- 6" STN LCD Color display with Touchscreen or optional TFT LCD also with Touchscreen. Touch is Analog Resistive type
- 32 MB on board DRAM
- 16 MB on board Flash Memory (min.), expandable through on board Compact Flash socket
- Windows CE 3.0 installed
- Programmable watchdog timer
- Two serial ports (one RS-232, one RS-485)
- Two PS/2 ports
- 10Base-T Ethernet port standard
- STN Display features 256 colors, 320x240 res., 100 deg. viewing angle
- TFT Display features 64K colors, 640x480 res.,
- 6" STN Dimensions (min.) 7.68"W x 5.8"H x 1.6"D, 6.5" TFT Dimensions (min.) 8.5"W x 5.5"H x 2.5"D
- Power input 24 VDC
- Operating temperature 0-45 deg. C (min.)

The power behind **ControlView** is a robust, full featured HMI software package designed for **FlashPoint Technologies** by InduSoft, Ltd. ControlView products include an HMI runtime installed. Applications are developed using the powerful InduSoft Web Studio.

Graphics can be imported from more than fifteen different formats supported by over 40 dynamic effects like shadowing, animation, fill, etc. It is easy to create sophisticated interfaces with point and click, drag and drop ease.

The choice is yours to incorporate traditional HMI or utilize the power of web technology for browser based visualization. Data connectivity is simplified over multiple processes, plant locations, or networks. This connectivity is provided through the communication ports provided on ControlView as standard.

## Software Overview & Parameter Summary:

### Database:

- Up to 150 tags, expandable to 1,500 tags
- Security System on board

### Communication:

- Over 140+ communication drivers installed
- Supports one driver standard, expandable to three simultaneous drivers
- OPC Client & Server, TCP/IP Client & Server

### Tasks/Graphics:

- Open/Closed Polygons
- Text and Bitmaps
- All graphic shapes including rounded rectangle and ellipse
- Alarm objects-Online and Historical, plus Alarm History
- ActiveX objects, Commands, Web pages, Text I/O, Symbols, Bar graphs
- Full Color, Math capability, and scheduler

### Overview:

- Win CE 3.0 (CE.Net future)
- Embedded Web server and Translation Editor
- Email and Modem Dial-up Support

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The logo for FlashPoint Technologies features the word "flash" in a blue, lowercase, sans-serif font, followed by "POINT" in a large, bold, red, uppercase, sans-serif font. A stylized blue starburst graphic is positioned between "flash" and "POINT". Below "POINT", the word "TECHNOLOGIES" is written in a smaller, red, uppercase, sans-serif font.