

Features

Chapter Objectives

This chapter provides information on the following topics:

- [Computer Overview](#)
- [Operating Systems](#)
- [Computer Options](#)
- [Before You Begin](#)
- [Parts List](#)
- [Hardware Features](#)

Computer Overview

Integrated display industrial computers combine a TFT flat-panel display with industrial computing power for performing visual interface, maintenance, and basic information applications. These panel mount devices offer 12-, 15-, and 17-inch displays with a resistive touch-screen option for operator input, and a solid state or hard disk drive. A non-display version is also available.

These computers are available in standard and performance models. Performance models have aluminum or stainless steel bezels, both with a flush design to reduce debris build-up around the display. Aluminum bezels offer application access through a lockable, front-accessible USB 2.0 port. Optional stainless steel bezels are available to fulfill NEMA 4X requirements.

By combining industrially hardened displays and computers in a single machine, these panel mounted computers provide an entire solution in one chassis and catalog number. Because there are no external display cables or separate component mounting requirements, system integration is simplified.

Operating Systems

The following Microsoft-licensed operating systems are available:

- Windows 7 Professional (32 bit)
- Windows XP Professional, Service Pack 3
- Windows Embedded Standard (WES) 2009

Computers with Windows XP Professional Operating System

- No operating system updates have been applied to the factory image beyond Service Pack 3.
- The I386 source directory for Microsoft Windows is on the system drive of your computer off the root directory, C:\I386. This allows for easy removal and addition of Windows components.

Computers with WES 2009 Operating System

- All operating system updates have been applied as of September 2009.
- Computers include a utility for configuring the Enhanced Write Filter (EWF) and Hibernate Once, Restore Many (HORM) features. Refer to the EWF and HORM Configuration Utility for Rockwell Automation Computers Technical Data, publication [6000-TD003](#), for instructions.

Computers with HDDs include a recovery partition with the original factory image. Refer to the Cloning Utility for Rockwell Automation Industrial Computers Technical Data, publication [6000-TD002](#), for instructions.

To obtain a copy of a factory system image, contact your local technical support center or access the Rockwell Automation Product Compatibility and Download Center (PCDC) at <http://www.rockwellautomation.com/support/pcdc.page>.

Computer Options

This table summarizes the options available for the integrated display industrial computers. A comparative summary of features for the computers is in Appendix A, [Specifications on page 61](#).

Table 1 - Integrated Display Industrial Computers

Cat. No.	Model	Series	Display Size (in.)	Storage	Touchscreen	Package	Windows OS
6181F-2PW7	NDM	E	N/A	SSD	N/A	Performance	7 Professional 32 bit
6181F-2PW7DC ⁽¹⁾				HDD			XP Professional SP3
6181P-2PW7							
6181P-2PW7DC ⁽¹⁾							
6181P-2PXP							
6181P-2PXPDC ⁽¹⁾							
6181F-12TPW7	1200P	E	12.1	SSD	Yes	Performance	7 Professional 32 bit
6181F-12TPW7DC ⁽¹⁾							WES 2009
6181F-12TPWE							
6181F-12TPWEDC ⁽¹⁾							
6181F-12TPXP							XP Professional SP3
6181F-12TPXPDC ⁽¹⁾							
6181F-12TSXP				Standard			
6181F-12TSWE					WES 2009		
6181P-12NSXP				HDD		No	XP Professional SP3
6181P-12NPXP					Performance		
6181P-12TPW7				Yes		7 Professional 32 bit	
6181P-12TPW7DC ⁽¹⁾					XP Professional SP3		
6181P-12TPXP				Standard			
6181P-12TPXPDC ⁽¹⁾							
6181P-12TSXP							
6181F-15TPW7	1500P	E	15	SSD	Yes	Performance	7 Professional 32 bit
6181F-15TPW7DC ⁽¹⁾							WES 2009
6181F-15TPW7SS ⁽²⁾							
6181F-15TPWE							
6181F-15TPWEDC ⁽¹⁾							XP Professional SP3
6181F-15TPWESS ⁽²⁾							
6181F-15TPXP							
6181F-15TPXPDC ⁽¹⁾							Standard
6181F-15TPXPSS ⁽²⁾							
6181F-15TSXP							WES 2009
6181F-15TSWE							
6181P-15NSXP				HDD	No	XP Professional SP3	
6181P-15NPXP							Performance
6181P-15TPW7				Yes	7 Professional 32 bit		
6181P-15TPW7DC ⁽¹⁾						XP Professional SP3	
6181P-15TPW7SS ⁽²⁾				Standard			
6181P-15TPXP							
6181P-15TPXPDC ⁽¹⁾							
6181P-15TPXPSS ⁽²⁾							
6181P-15TSXP							