6181 Integrated Display Computers

Standard, Performance and Advanced Models

Features and Benefits

The latest addition to the Allen-Bradley Integrated Display Computers combine leading edge intel technology and state-of-the-art hardware for an enhanced user experience.

High Performance Processing

- Fourth Generation Intel Core™ i-series 64-bit processors capable of hyper-threading for improved multitasking
- USB 3.0 ports allow for high-speed data transfer

Ease-of-Use

- Projected capacitive multi-touch models increases scalability and control of data on the screen
- User Interface Button (UIB) provides one-touch access to the BIOS
- Installation assist clip helps improve system integration with one-person install

Efficient Management

- Intel AMT 9.0 technology enables remote management capabilities
- Integrated backup/restore and diagnostic capabilities built into BIOS
- Field replaceable components (RAM, HDD, SSD, ODD, power supply) help simplify hardware maintenance and upgrades

6181 Integrated Display Computer Performance and Advanced Models

The Allen-Bradley® 6181 Integrated Display Computers form a dynamic portfolio, with Standard, Performance and Advanced Models that provide all-in-one industrial PC options to help meet your application needs. While the Standard models maintain their original characteristics, the latest generation Performance models build upon the trusted Series E 6181 Integrated Display Computer platform to help provide you with an enhanced user experience and exceptional processing power.

Performance and Advanced Models

Performance and Advanced models are equipped with the latest features designed to meet the most demanding integrated display computing needs. These rugged industrial computers help provide flexibility to your application with the combination of multi-touch touchscreens, high performing processors, field replaceable components and remote management capabilities. Additionally, the user interface button and installation assist clip help enhance your user experience.

Standard Models

Standard models provide basic features you need at the right value. These industrial computers combine single-touch resistive touchscreens with ultra-low voltage processors to meet most of your visual interface and information application requirements.

Performance and Advanced Models

The new Allen-Bradley 6181 Integrated Display Computers offer an open computing platform with plenty of horsepower to run most client, station and even virtualized software architectures. These industrial computers were designed, built and tested as an ideal platform for FactoryTalk® View visualization software.

Performance

- i3 CPU with 4 GB RAM and single-touch resistive touchscreens
- Core-i3 4102E – dual core 1.6 GHz with hyperthreading
- Screen sizes/form factors
    - 4:3 aspect ratio display format: 12" (305 mm) and 15" (381 mm)
    - 5:4 aspect ratio display format: 17" (432 mm) and 19" (483 mm)
- Fanless design helps decrease maintenance time

Advanced

- i7 CPU with 8GB RAM and multi-touch projected capacitive touchscreen
- Core-i7 4700EQ quad core 2.4 GHz with hyperthreading
- Powerful remote management capabilities with Intel AMT 9.0 Technology
- Screen sizes/form factors
    - 4:3 aspect ratio display format: 15" (381 mm)
    - 5:4 aspect ratio display format: 17" (432 mm) and 19" (483 mm)
    - 16:9 (widescreen) aspect ratio display format: 15.6" (396.3 mm) and 18.5" (470 mm)

Streamlined Installation

- Drop in replacement and easy cable wiring for migration from preceding 6181P/F Series E model
- Improved system integration with **installation assist clip**

Stainless steel bezel offerings available in Performance Models meeting food and beverage industry equipment regulations.

1500P

Instant Information

- Easily access key information in BIOS about battery status, catalog/win/mfg date codes
- View PC hardware status on Aluminum bezel models with **LED Indicators**

Powerful System

- High-performance processing power and speed with 64-bit operating systems
- Available System Watchdog Timer and hardware monitor utilities
- Rich graphic capabilities with Intel HD graphics 4600

Easy Operation

- Reduce the need for a keyboard or mouse with graphical touch driven screens
- One-touch access to BIOS with **User Interface Button (UIB)**

Standard Models

- Integrated Display Computer for your most basic application needs
- Experience efficient computing performance with an ultra-low voltage Celeron M 1.06 GHz processor and 2 GB DDR2 memory (expandable up to 4GB)
- Rugged industrial design:
  - Key components, including storage media and memory, meet specifications for industrial environments
  - Fanless design helps decrease maintenance time

Integrated Display Computers Specifications

For up-to-date specifications, accessories, drivers, manuals and service information, visit www.ab.com/industrialcomputers.

	Standard	Performance	Advanced
CPU	Celeron M1.06 GHz	Intel i3-4102E	Intel i7-4700EQ
Cores/Speed	1 C/1.06 GHz	2 C/1.6 GHz (hyperthreading)	4 C/2.4 GHz (hyperthreading)
Touchscreen	Single-touch (Resistive)	Single-touch (Resistive)	Multi-touch (Pcap)
Bezel Offerings	NDM*, aluminum	NDM*, aluminum, stainless steel	NDM*, aluminum
RAM	2 GB DDR2	4 GB DDR3 SODIMM	8 GB DDR3 SODIMM
Storage Media	100 GB HDD or 32 GB SLC SSD	100 GB HDD or 32 GB SLC SSD, 2: 100 GB HDD RAID on NDM* server models	
Optical Drive	N/A	N/A	CD-RW, DVD-RW
Thermal Solution	Fanless	Fanless	Fan (single/external rear mounted)
USB 3.0	4 rear (USB 2.0 only)	4 rear, 1 front, 1 internal (no front USB port on stainless steel bezel offering)	
Video Output	N/A	DVI-I and DisplayPort	
Expansion Slots	N/A	1 PCIe 8x slot (optional 1 PCI or 1 PCI + 1 PCIe 4x or 2 PCIe 4x or 2 PCI)	
I/O	2 10/100/1000 Ethernet, 1 serial port, audio in/out and microphone	2 10/100/1000 Ethernet, 2 RS-232, Audio In/Out/Mic, 2 PS/2, 1 External CompactFlash slot (non-bootable)	
Electrical and Environment Power Requirements	100-240V AC autoranging; 47-63 Hz	100-240V AC autoranging; 47-63 Hz; 18-32V DC	
Operating System	Windows XP Professional, Windows Embedded Standard 2009	Windows 7 pro (64 bit) SP1, WES 7 (64 bit), 32 bit OS support for Windows XP and Windows 7	Windows 7 pro (64 bit) SP1, Windows Server 2008 R2 SP1 (64 bit), 32 bit OS support for Windows XP and Windows 7
Operating Temperature	0-50 ˚C (32-122 ˚F)	0-55 ˚C (32-131 ˚F) for NDM*, 12" (305 mm), 15" (381 mm), 17" (432 mm) display sizes 0-50 ˚C (32-122 ˚F) for 15.6" (396.3 mm), 18.5" (470 mm) and 19" (483 mm) display sizes	
Vibration Operating	1.0 g (HDD) 1.5 g (SSD)	1.0 g (HDD) 2.0 g (SSD)	
Shock Operating	15 g	15 g	
Mounting Options	Panel mount	Integrated display: panel mount NDM*: wall, table, bookshelf	
Certifications/ Regulations	CE, c-ULus listed, C-Tick, RoHS, WEEE	CE marked, ULus listed, RCM/C-Tick, EAC, WEEE, RoHS, KC (Korean)	
Ratings	NEMA 1/12/4, IP66	NEMA 1/12/4/4x (stainless), IP66	

*Non-display model

For more information visit: http://ab.rockwellautomation.com/computers/integrated-display-computers/bulletin-6181

www.rockwellautomation.com