Allen-Bradley

Industrial Computers and Monitors Specifications

Catalog Numbers 6181P, 6181F, 6181X, 6180P, 6155R, 6155F, 6177R, 6176M, 6186M


Integrated Display Computers


Integrated Display with Keypad


Hazardous Location Computers
Non-display and Display


Non-display Computers


Compact Non-display Computers


Industrial Monitors

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This document provides technical specifications, environmental specifications, certifications, and dimension drawings for the Allen-Bradley® portfolio of industrial computers and monitors from Rockwell Automation.

Use this document in conjunction with the Visualization Solutions Selection Guide, publication VIEW-SG001, to make initial decisions on the visualization products best suited for your system requirements.

Industrial Computers Comparison

Characteristic	Integrated Display Computer 6181P/6181F 1200P, 1500P, 1700P	Computer for Hazardous Locations 6181X 1200XT	Display Computer with Keypad 6180P 1200P, 1500P	Non-display Computer 6177R 750R, 1450R	Compact Non-display Computer 6155R/6155F 200R
Display	1200P: 12.1 in. color TFT 1200P: non-display option 1500P: 15 in. color TFT 1700P: 17 in. color TT	1200XT: 12.1 in. color TFT 1200XT: non-display option	1200P: 12.1 in. color TFT 1500P: 15 in. color TFT	Requires external monitor	Requires external monitor
Touch screen	Resistive touch screen option	• Resistive touch screen • Sunlight readable	Resistive touch screen	None	None
Keypad	None	None	Full alphanumeric keypad plus • 1200P: 36 functions keys • 1500P: 44 function keys	None	None
Display bezel	Aluminum or stainless steel	Aluminum	Aluminum	None	None
Package options(1)	Standard or performance	Performance	Standard or performance	Performance, advanced, or server	Standard or performance
Processor	Intel Celeron or Intel Core Duo	Intel Core Duo U2500	Intel Celeron M or Intel Core Duo	Intel Core i3-2120 or Intel Core i5-2140	Intel Celeron M
Storage media Hard-disk drive (HDD) Solid-state drive (SSD)	• 6181P: 100 GB 2.5 in. SATA HDD • 6181F: 32 GB SATA SDD	8 GB CompactFlash	250 GB, 3.5 in. SATA HDD	3.5-in. SATA HDD • 500 GB or • (2) 500 GB on server models RAID 1 enabled	• 6155R: 100 GB SATA HDD • 6155F: 32 GB SATA SSD
RAM memory	• 2 GB DDR2 (4 GB max) or • 4 GB DDR2 (4 GB max)	2 GB DDR2 (4 GB max)	1 or 2 GB DDR2	4 or 8 GB (32 GB max)	• 6155R: 1 or 2 GB (2 GB max) • 6155F: 2 GB (2 GB max)
Expansion slots	• 2 half-length PCI (upgrade to 1 PCI+1 PCI Express) or • 1 half-length PCI (upgrade to 2 PCI, or 1 PCI+1 PCI Express)	1 half-length PCI	• 2 full-length PCI • 1 half-length PCI • 1 full-length ISA	• 1 or 4 PCI • 1 PCI Express x16 • 1 PCI Express x4 • 1 PCI Express x1	None
Removable media	DVD-RW/CD-RW drive	None	• 3 DVD-ROM/CD-RW drive or • DVD-RW drive	DVD-RW optical disc drive (ODD)	None
External connectors	• 1 or 2 serial • 1 parallel • 2 PS/2 • 2 GB Ethernet • 4 or 5 USB • 1 DVI-I • 3 audio	• 2 serial • 2 GB Ethernet • 4 USB • 1 DVI-I	• 2 serial • 1 parallel • 2 GB Ethernet • 6 USB • 1 DVI-I • 3 audio	• 2 serial • 1 parallel • 2 PS/2 • 2 Ethernet 10/100/1000 Mbps • 8 USB (plus 1 internal) • 2 DVI (DVI-I supports VGA with adapter, DVI-D) • 3 audio	• 1 or 2 serial • 1 or 2 Ethernet 10/100/1000 Mbps • 2 PS/2 • 4 USB • 1 VGA • Audio out
Windows Operating system	• XP Professional SP3 or • 7 Professional (32 bit) or • Embedded Standard 2009	XP Professional SP3	XP Professional SP3	• XP Professional SP3 or • 7 Professional (64 bit) or • Server 2008 R2 (64 bit)	• XP Professional SP3 or • Embedded Standard 2009
CompactFlash	1 or 2 CompactFlash Type 2	1 or 2 CompactFlash Type 2	None	None	2 CompactFlash Type 2
Power	AC or DC	DC	AC or DC	AC	AC or DC
Special requirements	Model dependent: 0…55 °C (32…131 °F) or 0…50 °C (32…131 °F)	• Rated to 70 °C (158 °F) for c-UL-us hazardous and ATEX locations • Preferred monitor: 6186M hazardous location monitor	0…55 °C (32…131 °F)	• 0…50 °C (32…113 °F)	• Compact form factor • 0…55 °C (32…131 °F) • Preferred monitor: 6176M
Mounting	• Panel mount • Wall (non-display)	• Panel mount • Wall (non-display)	Panel mount	• 750R: machine mount • 1400R: 4U rack mount	• DIN rail • Machine mount • VESA mount

(1) Package option determines processor type, amount of RAM, type of removable media, number of external connectors or I/O, and type of expansion slots.

Integrated Display Computers

When you need a view into your operations, the Allen-Bradley integrated display computers serve as the foundation for visualization control of processes and machinery, using information displays to repair, maintain, or start a process.

The integrated display computer family features either solid-state drives for performance in storage reliability, or traditional rotating media for superior data storage capabilities. Standard and performance packages provide the computing power needed for a range of application requirements.

The complete Rockwell Automation advantage includes seamless integration with the full suite of Rockwell Software® solutions, including Integrated Architecture™ and FactoryTalk® View software.

Table 1 - Environmental Specifications - Integrated Display Computers

Attribute	6181P/6181F
Temperature, operating Standard models Non-display 1200P and 1500P performance(1) 1700 performance	 0…50 °C (32…122 °F) 0…55 °C (32…131 °F) 0…55 °C (32…131 °F) 0…50 °C (32…122 °F)
Temperature, nonoperating	-20…60 °C (-4…140 °F)
Relative humidity	10...90% noncondensing
Shock, operating(2)	15 g (1/2 sine, 11 ms)
Shock, nonoperating	30 g (1/2 sine, 11 ms)
Vibration(1) (2) 6181F 6181P	 0.012 in. p-p 10…57 Hz (2 g peak at 57…640 Hz) 0.006 in. p-p 10…57 Hz (1 g peak at 57…640 Hz)
Vibration, nonoperating	0.012 in. p-p 10…57 Hz (2 g peak at 57…640 Hz)
Altitude, operating	2000 m (6561 ft)
Altitude, nonoperating	12,000 m (40,000 ft)
Enclosure ratings Standard models Performance models	 NEMA Type 1, 12, 4, and IEC IP66 NEMA Type 1, 12, 4, and IEC IP66 NEMA Type 1, 12, 4, 4X, and IEC IP66 (stainless steel models only, rated for outdoor use)

(1) The optical disc drive is considered a maintenance device. Do not operate the drive in environments with the shock and vibration levels listed. Do not operate the drive in temperatures above 45 °C (113 °F).

(2) Applies to panel-mounted computers only.

Table 2 - Certifications - 6181P/6181F Integrated Display Computers

Certification (1)	6181P/6181F
c-UL-us	UL/c-UL Listed per UL 60950-1 and CSA C22.2 No. 60950-1-03
CE	Marked for all applicable directives EMC 2004/108/EC LVD 2006/95/EC
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
RoHS	European RoHS China RoHS

(1) When marked. See the Product Certification link at http://www.ab.com for declarations of conformity, certificates, and other certification details.

Table 3 - Technical Specifications - 6181P Integrated Display Computers with Hard-disk Drive

Attribute	1200P Non-display 6181P-2PW7, 6181P-2PW7DC 6181P-2PXP, 6181P-2PXPDC	1200P 6181P-12TPW7, 6181P-12TPW7DC, 6181P-12NSXP, 6181P-12NPXP, 6181P-12TSXP, 6181P-12TPXP, 6181P-12TPXPDC	1500P 6181P-15TPW7, 6181P-15TPW7DC, 6181P-15TPW7SS, 6181P-15NSXP, 6181P-15NPXP, 6181P-15TSXP, 6181P-15TPXP, 6181P-15TPXPDC, 6181P-15TPXPSS	1700P 6181P-17TPW7, 6181P-17TPW7DC, 6181P-17TPW7SS, 6181P-17NSXP, 6181P-17NPXP, 6181P-17TSXP, 6181P-17TPXP, 6181P-17TPXPDC, 6181P-17TPXPSS
Display type	–	Color active-matrix TFT Flat Panel		
Display size, diagonal	–	12.1 in. (307 mm)	15 in. (381 mm)	17 in. (432 mm)
Display area (WxH)	–	246 x 185 mm (9.7 x 7.3 in.)	305 x 229 mm (12 x 9 in.)	338 x 270 mm (13.3 x 10.7 in.)
Resolution	–	800 x 600, native mode 256K colors	1024 x 768, native mode 16.7M colors	1280 x 1024, native mode 16.7M colors
Touch screen	–	Resistive antiglare		
Response time	–	15 ms		
Bezel	–	Aluminum	Aluminum or stainless steel (6181P-15TPXPSS and 6181P-17TPXPSS)	
Processor Standard	–	Intel Celeron 1.06 GHz		
Processor Performance	Intel Core Duo 1.2 GHz	Intel Core Duo 1.2 GHz		
RAM Standard	–	2 GB DDR2 (4 GB max)		
RAM Performance	4 GB DDR2 (4 GB max)	4 GB DDR2 (4 GB max)		
Storage drive	100 GB, 2.5-in. SATA hard-disk drive			
Expansion slots Standard	–		–	
Expansion slots Performance	2 half-length PCI (upgradable to 1 PCI slot + 1 PCI Express)		1 half-length PCI (upgradable to 2 PCI slots or 1 PCI + 1 PCI Express)	
Optical storage Standard	–			
Optical storage Performance	DVD-RW/CD-RW drive			
CompactFlash Type II Standard	–	1 slot bootable[1]		
CompactFlash Type II Performance	2 slots: 1 bootable[1], 1 hot-swappable			
I/O Standard	–	• 1 serial port • 4 USB 2.0 ports • 2 GB Ethernet LAN ports • Audio line in/audio line out, microphone		
I/O Performance	• 1 PS/2 keyboard port • 1 PS/2 mouse port • 1 parallel port • 2 serial ports	• 5 USB 2.0 ports (4 rear, 1 front) • 2 GB Ethernet LAN ports • DVI-I port • Audio line in/audio line out, and microphone		
Operating system	Windows XP Professional SP3 or Windows 7 Professional (32-bit) for performance models only			
Input voltage, AC	100…240V AC autoranging, 47…63			
Power consumption, AC Standard	–	100 VA (1.0 A at 100V rms, 0.42 A at 240V rms)		
Power consumption, AC Performance	110VA (0.95 A at 100V rms, 0.46 A at 240V rms)	110VA (0.95 A at 100V rms, 0.46 A at 240V rms)		
Input voltage, DC Standard	–	20V DC (power adapter required)		
Input voltage, DC Performance	18…32V DC	18…32V DC		
Power consumption, DC Standard	–	65 W (3.25 A at 20V)		
Power consumption, DC Performance	95 W (5.28 A at 18V, 2.97 A at 32V)	95 W (5.28 A at 18V, 2.97 A at 32V)		
Weight, approx. Standard	–	7.8 kg (17.3 lb)	9.0 kg (19.8 lb)	11.0 kg (24.3 lb)
Weight, approx. Performance	7.7 kg (17.0 lb)	9.5 kg (21.9 lb)	10.7 kg (23.6 lb) 11.9 kg (26.2 lb) stainless steel bezel	12.6 kg (27.8 lb) 14.5 kg (32.1 lb) stainless steel bezel
Dimensions (HxWxD), approx. Standard	–	279 x 349 x 99 mm 10.98 x 13.74 x 3.91 in.	309 x 410 x 95 mm 12.16 x 16.14 x 3.74 in.	356 x 452 x 95 mm 14.01 x 17.80 x 3.74 in.
Dimensions (HxWxD), approx. Performance	251 x 353 x 108 mm 9.88 x 13.90 x 4.25 in.	279 x 349 x 124 mm 10.98 x 13.74 x 4.90 in.	309 x 410 x 100 mm 12.16 x 16.14 x 3.94 in.	356 x 452 x 100 mm 14.01 x 17.80 x 3.94 in.
Cutout dimensions (HxWxD)	–	254 x 324 mm 10 x 12.76 in.	285.0 x 386.6 mm 11.24 x 15.22 in.	329.5 x 424.0 mm 12.97 x 16.69 in.
Mounting options	Wall	Panel	Panel	Panel

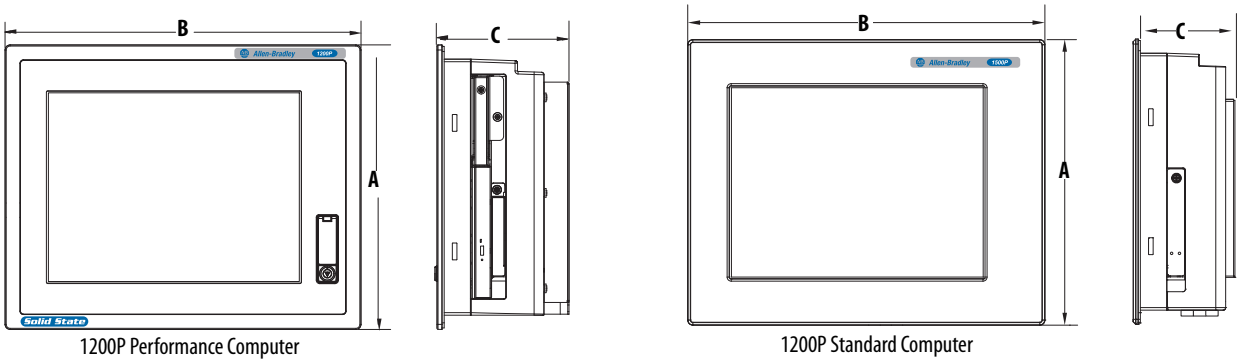
(1) The CompactFlash card must be inserted in the bootable slot before power is turned on.

Table 4 - Technical Specifications - 6181F Integrated Display Computers with Solid-state Drive

Attribute	1200P Non-display 6181F-2PW7, 6181F-2PW7DC	1200P 6181F-12TPW7, 6181F-12TPW7DC, 6181F-12TSXP, 6181F-12TPXP, 6181F-12TPXPDC. 6181F-12TPWE, 6181F-12TPWEDC, 6181F-12TSWE	1500P 6181F-15TPW7, 6181F-15TPW7DC, 6181F-15TPW7SS, 6181F-15TSXP, 6181F-15TPXP, 6181F-15TPXPDC, 6181F-15TPXPSS, 6181F-15TSWE, 6181F-15TPWE, 6181F-15TPWEDC, 6181F-15TPWESS	1700P 6181F-17TPW7, 6181F-17TPW7DC, 6181F-17TPW7SS,6181F-17TSXP, 6181F-17TPXP, 6181F-17TPXPDC, 6181F-17TPXPSS, 6181F-17TSWE, 6181F-17TPWE, 6181F-17TPWEDC, 6181F-17TPWESS
Display type	–	Color active-matrix TFT Flat Panel		
Display size, diagonal	–	12.1 in. (307 mm)	15 in. (381 mm)	17 in. (432 mm)
Display area (WxH)	–	246 x 185 mm (9.7 x 7.3 in.)	305 x 229 mm (12 x 9 in.)	338 x 270 mm (13.3 x 10.7 in.)
Resolution	–	800 x 600, native mode, 256K colors	1024 x 768, native mode, 16.7M colors	1280 x 1024, native mode, 16.7M colors
Touch screen	–	Resistive antiglare		
Response time	–	15 ms		
Bezel	–	Aluminum	Aluminum or stainless steel (cat. nos ending in SS)	
Processor Standard Performance	– Intel Core Duo 1.2 GHz	Intel Celeron 1.06 GHz Intel Core Duo 1.2 GHz		
RAM Standard Performance	– 4 GB DDR2 (4 GB max)	2 GB DDR2 (4 GB max) 4 GB DDR2 (4 GB max)		
Storage drive	32 GB 2.5-in. SATA solid-state drive			
Expansion slots Standard Performance	– 2 half-length PCI (upgradable to 1 PCI slot + 1 PCI Express)		– 1 half-length PCI (upgradable to 2 PCI slots or 1 PCI + 1 PCI Express)	
Optical storage Standard Performance	– DVD-RW/CD-RW drive			
CompactFlash Type II Standard	–	1 slot bootable(1)		
Performance	2 slots: 1 bootable(1), 1 hot-swappable			
I/O Standard	–	• 1 serial port • 4 USB 2.0 ports	• 2 GB Ethernet LAN ports • Audio line in/audio line out, microphone	
Performance	• 1 PS/2 keyboard port • 1 PS/2 mouse port • 1 parallel port • 2 serial ports	• 5 USB 2.0 ports (4 rear, 1 front) • 2 GB Ethernet LAN ports • DVI-I port • Audio line in/audio line out, and microphone		
Operating system	Windows 7 Professional (32-bit), Windows XP Professional SP3, or Windows Embedded Standard 2009			
Input voltage, AC	100…240V AC autoranging, 47…63			
Power consumption, AC Standard Performance	– 110VA (0.95 A at 100V rms, 0.46 A at 240V rms)	100VA (1.0 A at 100V rms, 0.42 A at 240V rms) 110VA (0.95 A at 100V rms, 0.46 A at 240V rms)		
Input voltage, DC Standard Performance	– 18…32V DC	20V DC (power adapter required) 18…32V DC		
Power consumption, DC Standard Performance	– 95 W (5.28 A at 18V, 2.97 A at 32V)	65 W (3.25 A at 20V) 95 W (5.28 A at 18V, 2.97 A at 32V)		
Weight, approx. Standard Performance	– 7.7 kg (17.0 lb)	7.8 kg (17.3 lb) 9.5 kg (21.9 lb)	9.0 kg (19.8 lb) 10.7 kg (23.6 lb) 11.9 kg (26.2 lb) stainless steel bezel	11.0 kg (24.3 lb) 12.6 kg (27.8 lb) 14.5 kg (32.1 lb) stainless steel bezel
Dimensions (HxWxD), approx. Standard Performance	– 251 x 353 x 108 mm 9.88 x 13.90 x 4.25 in.	279 x 349 x 99 mm 10.98 x 13.74 x 3.91 in. 279 x 349 x 124 mm 10.98 x 13.74 x 4.90 in.	309 x 410 x 95 mm 12.16 x 16.14 x 3.74 in. 309 x 410 x 100 mm 12.16 x 16.14 x 3.94 in.	356 x 452 x 95 mm 14.01 x 17.80 x 3.74 in. 356 x 452 x 100 mm 14.01 x 17.80 x 3.94 in.
Cutout dimensions (HxWxD)	–	254 x 324 mm 10 x 12.76 in.	285.0 x 386.6 mm 11.24 x 15.22 in.	329.5 x 424.0 mm 12.97 x 16.69 in.
Mounting options	Wall	Panel	Panel	Panel

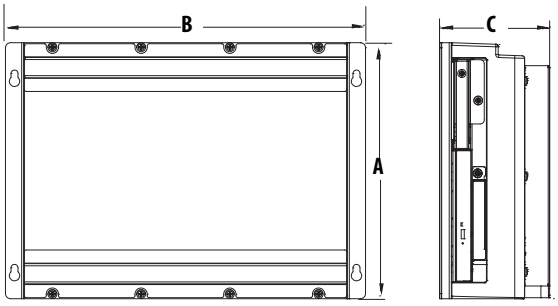
(1) The CompactFlash card must be inserted in the bootable slot before power is turned on.

Dimensions - Integrated Display Computer



1200P Performance Computer

1200P Standard Computer



1200P Non-display Computer

Table 5 - Dimensions - Integrated Display Computers

6181P/6181F Integrated Display Computer	Overall Height A	Overall Width B	Overall Depth C	Cutout Width D	Cutout Height E
1200P					
Performance	279 mm (10.98 in.)	349 mm (13.74 in.)	124 mm (4.90 in.)	324 mm (12.76 in.)	254 mm (10 in.)
Performance non-display	251 mm (9.88 in.)	353 mm (13.90 in.)	108 mm (4.25 in.)	–	–
Standard	279 mm (10.98 in.)	349 mm (13.74 in.)	99 mm (3.91 in.)	324 mm (12.76 in.)	254 mm (10 in.)
1500P					
Performance	309 mm (12.16 in.)	410 mm (16.14 in.)	100 mm (3.94 in.)	386.6 mm (15.22 in.)	285 mm (11.24 in.)
Standard	309 mm (12.16 in.)	410 mm (16.14 in.)	95 mm (3.74 in.)	386.6 mm (15.22 in.)	285 mm (11.24 in.)
1700P					
Performance	356 mm (14.01 in.)	452 mm (17.80 in.)	100 mm (3.94 in.)	424 mm (16.69 in.)	329.5 mm (12.97 in.)
Standard	356 mm (14.01 in.)	452 mm (17.80 in.)	95 mm (3.74 in.)	424 mm (16.69 in.)	329.5 mm (12.97 in.)

Hazardous Location Computers

Non-display Version

Display Version

With both Class 1 Division 2 and ATEX hazardous location certification, this extreme environment computer can be safely used globally in areas where explosive materials may be present. The display version of this computer is panel mounted while the non-display version mounts on a wall. Both computers can withstand temperatures -20...70 °C (-4...158 °F) inside a cabinet or enclosure. The surface temperature on the front of the display computer can withstand temperatures in the range -20...55 °C (-4...131 °F).

Table 6 - Environmental Specifications - Hazardous Locations Computers

Attribute	6181X-NPXPDC, 6181X-12TPXPDC
Temperature, operating 6181X-NPXPDC, non-display 6181X-12TPXPDC, display	 -20…70 °C (-4…158 °F) -20…55 °C (-4…131 °F), display side -20…70 °C (-4…158 °F), back side
Temperature, nonoperating	-30…80 °C (-22…176 °F)
Relative humidity	10...90% noncondensing
Altitude, operating	2,000 m (6,561 ft)
Altitude, nonoperating	12,000 m (40,000 ft)
Vibration, operating	0.012 in. p-p 10…57 Hz 2 g peak at 57…640 Hz
Shock, operating	15 g (1/2 sine, 11 ms)
Shock, nonoperating	30 g (1/2 sine, 11 ms)
Enclosure ratings 6181X-12TPXPDC	Rated UL NEMA Type 4X and 12 Also rated IP66 as classified by UL

Table 7 - Certifications- Hazardous Locations Computers

Certification(1)	6181X-NPXPDC, 6181X-12TPXPDC
c-UL-s	UL/c-UL listed as Information Technology Equipment for use in hazardous locations per standards • ANSI/ISA 12.12.01 • CSA C22.2 No. 213 • UL 60079-15 • CSA E60079-15 Enclosure type ratings per UL50 and CSA C22.2 No. 94.2-07 Enclosure ingress protection classified by UL per IEC 60529
CE	Marked for all applicable directives EMC 2004/108/EC LVD 2006/95/EC
ATEX	Certified per EN60079-15
RoHS	China RoHS, Turkey RoHS, European RoHS
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions

(1) When marked. See the Product Certification link at http://www.ab.com for declarations of conformity, certificates, and other certification details.

Table 8 - Hazardous Location Ratings by Region

Cat. No.	Region	Class/Division/Zone Rating	Temperature
6181X-NPXPDC non-display	United States	Class I Division 2, Groups A, B, C, D, T4	-20 °C ≤ T_a ≤ 70 °C[1] (-4 °F ≤ T_a ≤ 158 °F)
		Class I Zone 2, IIC, T4	
	Canada	Class 1 Division 2, Groups A, B, C, D, T4	
		Class I Zone 2, IIC, T4	
	Europe	ATEX II 3 GD, Ex nA IIC Gc, Ex tc IIIC Dc	
6181X-12TPXPDC display	United States	Class I Division 2, Groups A, B, C, D, T4	-20 °C ≤ T_a ≤ 55 °C (-4 °F ≤ T_a ≤ 131 °F), display side -20 °C ≤ T_a ≤ 70 °C (-4 °F ≤ T_a ≤ 158 °F), backside [1]
		Class I Zone 2, IIC, T4	
	Canada	Class 1 Division 2, Groups A, B, C, D, T4	
		Class I Zone 2, IIC, T4	
	Europe	ATEX II 3 GD, Ex nA nC IIC T4 Gc,Ex tc IIIC T135° Dc	

(1) The entire 6181X-NPXPDC computer and the backside of the 6181X-12TPXPDC display are required to be mounted in a restricted access location.

Table 9 - Technical Specifications - 6181X Hazardous Location Computers

Attribute	1200XT Non-display 6181X-NPXPDC	1200XT Display 6181X-12TPXPDC
Display type	No display	Color active-matrix TFT
Touch screen	–	Resistive antiglare, sunlight readable
Display size, diagonal	–	12.1 in. (307 mm)
Display area (WxH)	–	246 x 185 mm (9.7 x 7.3 in.)
Resolution	–	800 x 600, 16.2 M colors
Display brightness	–	600 cd/m^2, typical
Contrast ratio	–	1500:1, typical
Viewing angle	–	178° typical
Backlight	–	50,000 hours max at 25 °C (77 °F)
Bezel	–	Aluminum
Processor	Intel Core Duo U2500, 1.2 GHz	
RAM	2 GB DDR2 installed (4 GB max)	
Storage drive	8 GB CompactFlash solid-state drive	
Expansion slots	1 half-length PCI	
CompactFlash slot	1 external CompactFlash Type II slot, hot-swappable	
I/O	2 serial COM ports 4 USB 2.0 ports, hot-swappable 2 GB Ethernet LAN ports 1 DVI-I port	
Operating system	Windows XP Professional SP3	
Input voltage, DC	18…32V DC	
Power consumption, DC	18…32V DC, 2.46…1.34 A, 45 W	18…32V DC, 3.28…1.79 A, 60 W
Heat dissipation[1]	45 W (154 BTU/hr)	60 W (205 BTU/hr)
Weight, approx.	6.1 kg (13.45 lb)	8.4 kg (18.52 lb)
Dimensions (HxWxD), approx.	251 x 353 x 83 mm 7.50 x 13.20 x 3.28 in.	279 x 349 x 101 mm 10.98 x 13.74 x 3.98 in.
Cutout dimensions (HxWxD)	–	254 x 324 mm 10 x 12.76 in.
Mounting options	Wall	Panel

(1) Add-in cards and peripherals are included in the heat dissipation value.

Dimensions - Hazardous Location Computers

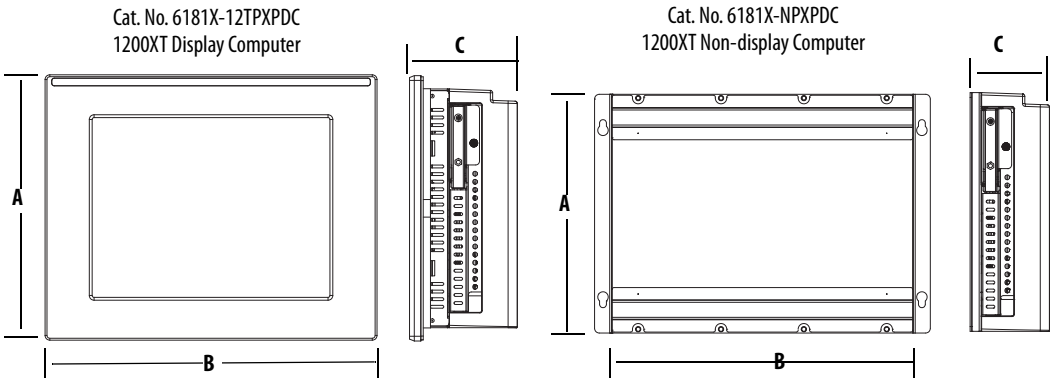


Table 10 - Dimensions - Hazardous Locations Computers

6181X Hazardous Location Computer	Overall Height A	Overall Width B	Overall Depth C
1200XT display	279 mm 10.98 in.	349 mm 13.74 in.	101.2 mm 3.98 in.
1200XT non-display	190 mm 7.5 in.	335 mm 13.20 in.	83.4 mm 3.28 in.

Integrated Display Computers with Keypad

As either an operator input station or an industrial computer, the 6180P platform features an integrated display and a programmable keypad in the same unit. The absence of external monitor cables and separate component-mounting requirements allows for simple system integration. With an operating temperature range of 0...55 °C (32...131 °F), these panel-mount computers can withstand demanding factory floor applications.

Table 11 - Environmental Specifications - 6180P Display Computers with Keypad

Attribute	6180P-12KSXP, 6180P-12KPXP, 6180P-12BSXP, 6180P-12BPXP, 6180P-12PBXPDC, 6180P-15KSXP, 6180P-15KPXP, 6180P-15BSXP, 6180P-15BPXP, 6180P-15PBXPDC
Temperature, operating	0…55 °C (32…131 °F)
Temperature, nonoperating	-20…60 °C (-4…140 °F)
Relative humidity, operating (1)	20…85% noncondensing
Relative humidity, nonoperating (2)	5...90% noncondensing
Vibration, operating	0.006 in. p-p 10…57 Hz, 1 g peak at 57…640 Hz
Vibration, nonoperating	0.012 in. p-p, (10…57 Hz), 2 g peak, (57…640 Hz)
Shock, operating	15 g (1/2 sine, 11 ms)
Shock, nonoperating	30 g (1/2 sine, 11 ms)
Enclosure ratings	NEMA Type 1, 12, 4 IEC IP66

(1) Derate above 40 °C to 45% at 50 °C.
(2) Derate above 40 °C to 39% at 60 °C.

Table 12 - Certifications - 6180P Display Computers with Keypad

Certification(1)	6180P-12KSXP, 6180P-12KPXP, 6180P-12BSXP, 6180P-12BPXP, 6180P-12PBXPDC, 6180P-15KSXP, 6180P-15KPXP, 6180P-15BSXP, 6180P-15BPXP, 6180P-15PBXPDC
c-UL-us	UL/c-UL Listed per UL 60950-1 and CSA C22.2 No. 60950-1
CE	Marked for all applicable directives EMC 2004/108/EC (as amended by 92/31/EEC and 93/68/EEC) LVD 2006/95/EC
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 22; Industrial Emissions
RoHS	China

(1) When marked. See the Product Certification link at http://www.ab.com for declarations of conformity, certificates, and other certification details.

Table 13 - Technical Specifications - 6180P Integrated Display Computers with Keypad

Attribute	1200P 6180P-12KSXP, 6180P-12KPXP, 6180P-12BSXP, 6180P-12BPXP, 6180P-12BPXPDC	1500P 6180P-15KSXP, 6180P-15KPXP, 6180P-15BSXP, 6180P-15BPXP, 6180P-15BPPXPDC
Display type	Color active-matrix TFT flat panel	Color active-matrix TFT flat panel
Display size, diagonal	12.1 in. (307 mm)	15 in. (381 mm)
Display area (WxH)	246 x 185 mm (9.7 x 7.3 in.)	305 x 229 mm (12 x 9 in.)
Resolution	800 x 600, native mode, 256K colors	1024 x 768, native mode, 256K colors
Luminance	250 cd/m^2 Nits	350 cd/m^2 Nits
Response time, max	20 ms	20 ms
Touch screen option	Resistive antiglare	
Keypad description	36 function keys Full alphanumeric keypad	44 function keys Full alphanumeric keypad
Processor Standard Performance	 Celeron M 1.86 GHz Core Duo 2.0 GHz	 Celeron M 1.86 GHz Core Duo 2.0 GHz
RAM Standard Performance	 1 GB DDR2 2 GB DDR2	 1 GB DDR2 2 GB DDR2
Storage drive	250 GB, 3.5-in. SATA hard-disk drive	250 GB, 3.5-in. SATA hard-disk drive
Optical storage device Standard Performance	 DVD-ROM/CD-RW drive DVD-RW drive	
Expansion slots	2 full-length PCI, 1 half-length PCI, 1 full-length ISA	
I/O	• 2 serial ports • 1 parallel port • 6 USB 2.0 ports, • 2 GB Ethernet LAN ports • 1 DVI-I port • 3 audio ports	
Operating system	Windows XP Professional SP3	
Input voltage, AC	90…264V AC autoranging, 47…63	
Power consumption, AC	160VA (1.6 A at 100V rms, 0.67 A at 240V rms)	
Input voltage, DC	19…32V DC	
Power consumption, DC	180 W (7.5 A at 24V DC)	
Inrush current at 24V	20 A peak, ms	
Weight, approx.	17.0 kg (37.4 lb)	18.5 kg (40.8 lb)
Dimensions (HxWxD), approx.	311 x 483 x 225 mm 12.25 x 19.01 x 8.86 in.	355 x 483 x 225 mm 13.97 x 19.01 x 8.86 in.
Cutout dimensions (HxWxD)	279 x 450 mm 10.98 x 17.72 in.	326.4 x 429.3 mm 12.85 x 16.90 in.
Mounting options	Panel	Panel

Dimensions - Integrated Display With Keypad

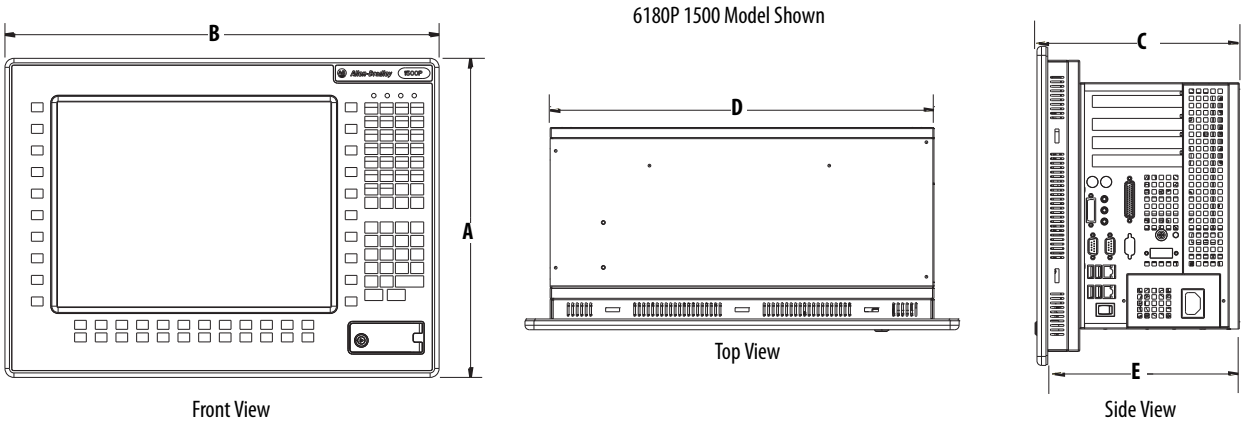


Table 14 - Dimensions - Integrated Display Computers with Keypad

6180P Display Computer with Keypad	Overall Height A	Overall Width B	Overall Depth C	Cutout Width D	Cutout Height E
1200P	311 mm 12.25 in.	483 mm 19.01 in.	225 mm 8.86 in.	450mm 17.72 in.	279 mm 10.98 in.
1500P	355 mm 13.97 in.	483 mm 19.01 in.	225 mm 8.86 in.	429.3mm 16.90 in.	326.4 mm 12.85 in.

Non-display Computers


650R Model


750R Model


1450R Model

The 6177R non-display computers (750R and 1450R) take advantage of the Intel second generation core processors to provide extremely powerful, highly reliable platforms suited for industrial environments. These computers are available in rugged machine-mount and rack-mount form factors and offer powerful remote management, onboard backup/restore, and integrated diagnostic capabilities.

Table 15 - Environmental Specifications - 6177R Non-display Computers

Attribute	Models	6177R-M3PXP, 6177R-M3PXPDC, 6177R-M3AS3 6177R-RMPXP, 6177R-RMPW7, 6177R-RMPN0, 6177R-RMAW7, 6177R-RMSS8, 6177R-RMSN0, 6177R-MMPXP, 6177R-MMPW7, 6177R-MMPN0, 6177R-MMAW7, 6177R-MMSS8, 6177R-MMSN0
Temperature, operating	650R 750R, 1450R	0…55 °C (32…131 °F) 0…50 °C (32…122 °F)
Temperature, nonoperating	All	-20…60 °C (-4…140 °F)
Relative humidity	All	10...90% noncondensing
Vibration, operating	650R 750R, 1450R	0.003 in p-p, 10…57 Hz, 1 g peak at 57…640 Hz 0.006 in. p-p 10…57 Hz, 1 g peak at 57…640 Hz
Vibration, nonoperating	All	0.012 in. p-p 10…57 Hz, 2 g peak at 57…640 Hz
Shock, operating	All	15 g (1/2 sine, 11 ms)
Shock, nonoperating	All	30 g (1/2 sine, 11 ms)
Acoustic noise, idle	750R 1450R	44.3 dB at 50 cm 46.6 dB at 50 cm
Acoustic noise, max	750R 1450R	63.4 dB at 50 cm 64.4 dB at 50 cm

Table 16 - Certifications - 6177R Non-display Computers

Certification(1)	Models	6177R-M3PXP, 6177R-M3PXPDC, 6177R-M3AS3 6177R-RMPXP, 6177R-RMPW7, 6177R-RMPN0, 6177R-RMAW7, 6177R-RMSS8, 6177R-RMSN0, 6177R-MMPXP, 6177R-MMPW7, 6177R-MMPN0, 6177R-MMAW7, 6177R-MMSS8, 6177R-MMSN0
c-UL-us	650R 750R, 1450R	UL/c-UL listed per UL 60950-1 and CSA C22.2 No. 60950-1-03 Safety: UL/c-UL Listed per UL 60950-1
CE	650R 750R, 1450R	Marked for all applicable directives: EMC2004/108/EC, LVD 2006/95/EC Immunity standards: EN55024, EN6100-3-2, EN6100-3-3 Emission standards: EN55022 Class A Low voltage directive: LVD 2006/95/EC
FCC	750R, 1450R	Class A emissions
C-Tick	650R 750R, 1450R	Emission standards: AS/NZS CISPR 11 Emissions standards: AS/NZS CISPR 22 Class A
KCC	750R, 1450R	Emissions standards: Class A 이 기기는 업무용(A급) 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.
RoHS	All	European China

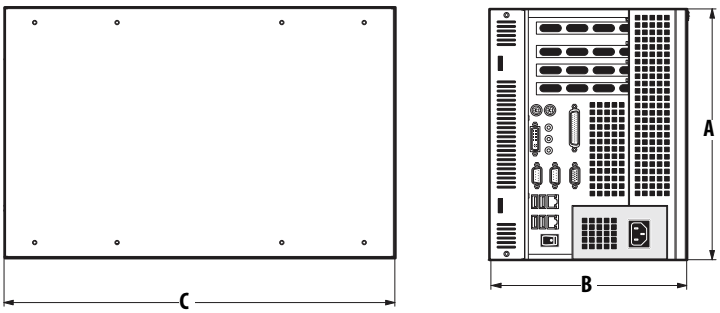
(1) When marked. See the Product Certification link at http://www.ab.com for declarations of conformity, certificates, and other certification details.

Table 17 - Technical Specifications - 6177R Non-display Computers

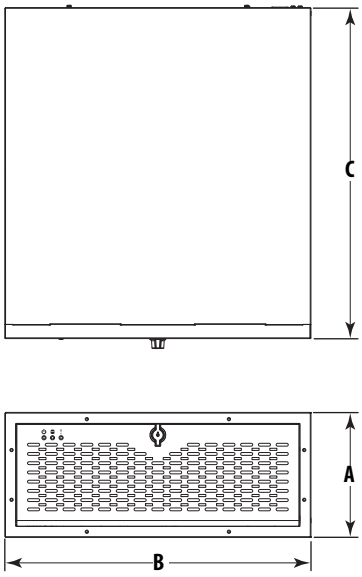
Attribute	650R 6177R-M3PXP, 6177R-M3PXPDC, 6177R-M3AS3	750R 6177R-MMPXP, 6177R-MMPW7, 6177R-MMPN0, 6177R-MMAW7, 6177R-MMSS8, 6177R-MMSN0	1450R 6177R-RMPXP, 6177R-RMPW7, 6177R-RMPN0, 6177R-RMAW7, 6177R-RMSS8, 6177R-RMSN0
Display type	Requires external monitor	Requires external monitor	Requires external monitor
Operating system			
Performance	Windows XP Professional SP3	Windows XP Professional SP3, Windows 7 Professional (64 bit), or no operating system	
Advanced	Windows Server 2003 R2 (cat. no. 6177R-M3AS3)	Windows 7 Professional (64 bit)	
Server	—	Windows Server 2008 R2 (cat. no. 6177R-M4AS3RD only) or no operating system	
Processor			
Performance	Core Duo 2.0 GHz	Intel Core i3-2120, 3.3 GHz	Intel Core i3-2120, 3.3 GHz
Advanced	Core Duo 2.0 GHz	Intel Core i5-2400, 3.1 GHz	Intel Core i5-2400, 3.1 GHz
Server	—	Intel Core i5-2400, 3.1 GHz	Intel Core i5-2400, 3.1 GHz
Ethernet LAN	2 ports, 10/100/1000 Mbps	2 ports, 10/100/1000 Mbps	
RAM memory			
Performance	2 GB DDR2	4 GB DDR3, 32 GB max	4 GB DDR3, 32 GB max
Advanced	4 GB DDR2	8 GB DDR3, 32 GB max	8 GB DDR3, 32 GB max
Server	—	8 GB DDR3, 32 GB max	8 GB DDR3, 32 GB max
Storage drive			
Performance	250 GB, 3.5-in. SATA HDD	(1) 500 GB, 3.5-in. SATA HDD	(1) 500 GB, 3.5-in. SATA HDD
Advanced	(2) 250 GB, 3.5-in. SATA HDD	(1) 500 GB, 3.5-in. SATA HDD	(1) 500 GB, 3.5-in. SATA HDD
Server	—	(2) 500 GB, 3.5-in. SATA HDD	(2) 500 GB, 3.5-in. SATA HDD
RAID 1 enabled			
Performance	No	No	No
Advanced	No	No	No
Server	—	Yes (cat. no. 6177R-MMSS8 only)	Yes (cat. no. 6177R-RMSS8 only)
RAID capabilities	—	RAID 0 or RAID 1 with second HDD installed and RAID array configured	
Optical disc drive (ODD)	CD-RW/DVD-RW	DVD-RW	DVD-RW
Expansion slots	• 3 PCI • 1 ISA	• 1 PCI (750R) or 4 PCI (1450R) • 1 PCI Express x16 • 1 PCI Express x4 • 1 PCI Express x1	
I/O ports	• 1 PS/2 keyboard • 1 PS/2 mouse • 2 serial • 1 parallel • 2 GB Ethernet(10/100/1000) • 4 USB 2.0 ports • 1 VGA and 1 DVI port • Audio line in, audio line out and microphone	• 1 PS/2 keyboard • 1 PS/2 mouse • 2 serial • 1 parallel • 2 Ethernet (10/100/1000) • 7 USB 2.0 ports (4 rear, 2 front, 1 internal) • 2 USB 3.0 ports (1 rear, 1 front) • 1 eSATAp (5V, 500 mA) • 2 DVI (DVI-1, DVI-D) DVI-1 port converts to VGA with suppled adapter • Audio line in, audio line out and microphone	
Input voltage, AC	100…240V, autoranging	100…240V, autoranging	
Line frequency	47…63 Hz	50…60 Hz	
Power consumption, AC	144VA (1.4 A at 100V rms, 0.6 A at 240V rms)	10 A at 100V rms, 5 A at 240V rms	
Input voltage, DC	18…36V DC	—	—
Power consumption, DC	144 W (8.0 A at 18V DC, 4.5 A at 32V DC)	—	—
Weight, approx.	12.0 kg (26.50 lb)	13.8 kg (30.36 lb)	14.0 kg (30.80 lb)
Dimensions (HxWxD), approx.	274 x 215 x 427 mm (10.79 x 8.46 x 16.81 in.)	360 x 170 x 381 mm (14.17 x 6.69 x 15.01 in.)	176 x 431 x 465 mm (6.93 x 16.97 x 18.31 in.)
Mounting options	M3 Machine mount	Machine mount	4U rack mount

Dimensions - Non-display Computers

650R Non-display Computers (6177R-M3)



1450R Non-display Computers (6177R-RM)



750R Non-display Computers (6177R-MM)

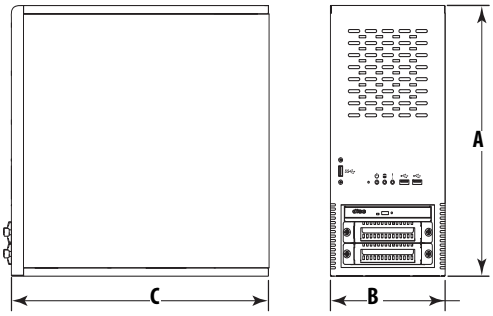


Table 18 - Dimensions - Non-display Computers

6177R Non-display Computers	Overall Height A	Overall Width B	Overall Depth C
650R	274 mm 10.79 in.	215 mm 8.46 in.	427 mm 16.81 in.
750R	360 mm 14.17 in.	170 mm 6.69 in.	381 mm 15.01 in.
1400R	176 mm 6.93 in.	431 mm 16.97 in.	465 mm 18.31 in.

Compact Non-display Computers

These fanless computers provide an extremely durable computer option for harsh environments and require less space than most computers. Designed without cooling fans, the 6155F/6155R non-display computers come with either a mission-critical solid-state drive or a continuous-duty hard-disk drive. Combine these features with the Windows Embedded Standard 2009 or Windows XP Professional operating system and you have the ideal platform for running visualization, control, or maintenance applications.

Table 19 - Environmental Specifications - 6155R/6155F Compact Non-display Computers

Attribute	6155R-NSXP, 6155R-NPXP, 6155R-NPXPDC, 6155F-NPXP, 6155F-NPXPDC, 6155F-NPWE, 6155F-NPWEDC
Temperature, operating	0…55 °C (32…131 °F)
Temperature, nonoperating	-20…60 °C (-4…140 °F)
Relative humidity	10...90% noncondensing
Vibration, operating 6155R 6155F	 0.006 in. p-p 10…57 Hz, 1 g peak at 57…640 Hz 0.012 in. p-p 10…57 Hz, 2g peak at 57…640 Hz
Vibration, nonoperating	0.012 in. p-p 10…57 Hz 2 g peak at 57…640 Hz
Shock, operating	15 g (1/2 sine, 11 ms)
Shock, nonoperating	30 g (1/2 sine, 11 ms)

Table 20 - Certifications - 6155R/6155F Compact Non-display Computers

Certification (1)	6155R-NSXP, 6155R-NPXP, 6155R-NPXPDC, 6155F-NPXP, 6155F-NPXPDC, 6155F-NPWE, 6155F-NPWEDC
c-UL-us	UL/c-UL Listed per UL 60950-1 and CSA C22.2 No. 60950-1-03
CE	Marked for all applicable directives EMC 2004/108/EC LVD 2006/95/EC
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
RoHS	European China

(1) When marked. See the Product Certification link at http://www.ab.com for declarations of conformity, certificates, and other certification details.

Table 21 - Technical Specifications - 6155R/6155F Compact Non-display Computers

Attribute	6155R (200R) 6155R-NSXP, 6155R-NPXP, 6155R-NPXPDC	6155F (200R) 6155F-NPXP, 6155F-NPXPDC, 6155F-NPWE, 6155F-NPWEDC
Display type	Requires external monitor	Requires external monitor
Processor Standard Performance	 Celeron M 1 GHz Celeron M 1 GHz	 No standard model Celeron M 1 GHz
RAM Standard Performance	 1 GB (2 GB, max) 2 GB (2 GB, max)	 No standard model 2 GB (2 GB, max)
Storage drive	100 GB SATA hard-disk drive	32 GB SATA 2.5-in. solid-state drive
Expansion slots	None	None
CompactFlash Type II	2 slots, 1 internal, 1 external	2 slots, 1 internal, 1 external
I/O Standard	• 1 PS/2 keyboard port • 1 PS/2 mouse port • 1 serial port • 1 Ethernet 10/100/1000 Mbps port • 4 USB 2.0 ports • 1 VGA port • Audio line out	No standard model
Performance	• 1 PS/2 keyboard port • 1 PS/2 mouse port • 2 serial ports • 2 Ethernet 10/100/1000 Mbps ports	• 4 USB 2.0 ports • 1 VGA port • Audio line out
Operating system	Windows XP Professional SP3	• Windows XP Professional SP3 6155F-NPXP, 6155F-NPXPDC • Windows Embedded Standard 2009 6155F-NPWE, 6155F-NPWEDC
Supported software	Suite of FactoryTalk View software products and RSView®32	
Input voltage, AC	100…240V AC autoranging, 47…63	
Power consumption, AC	35 W (0.64 A at 100V rms, 0.37 A at 240V rms)	
Input voltage, DC	9…36V DC	
Power consumption, DC	35 W (3.89 A at 9V DC, 0.97 A at 36V DC)	
Weight, approx.	5 kg (11 lb)	5 kg (11 lb)
Dimensions (HxWxD), approx.	115 x 172 x 158 mm 4.51 x 6.77 x 6.22 in.	115 x 172 x 158 mm 4.51 x 6.77 x 6.22 in.
Mounting options	DIN rail, machine mount, VESA mount	DIN rail, machine mount, VESA mount

Dimensions - Compact Non-display Computers

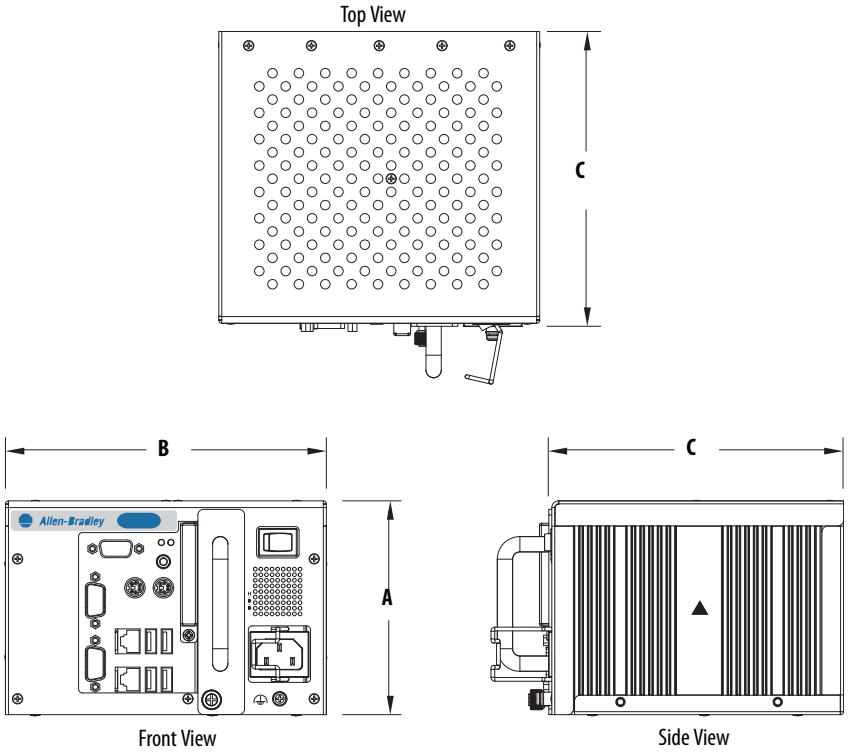


Table 22 - Dimensions - Compact Non-display Computers

6155R/F Compact Non-display Computer	Overall Height A	Overall Width B	Overall Depth C
200R	115 mm 4.51 in.	172 mm 6.77 in.	158 mm 6.22 in.(1)

(1) Depth excludes handle and connectors.

Industrial Monitors

The Allen-Bradley LCD flat-panel industrial monitors are designed to operate in rugged industrial environments. Offering a variety of mounting configurations and interface options, the industrial monitors can meet the needs of visualization applications on the factory floor or in a control room.

Combine these monitors with any of the Allen-Bradley non-display computers to create a visualization, maintenance, control, or information-computing solution.

Table 23 - Industrial Monitors Comparison

Characteristic	Standard Monitors 6176M	Performance Monitors 6186M
Display	1550M: 15 in. color TFT 1750M: 17 in. color TFT 1950M: 19 In. color TFT	1200M: 12.1 in. color TFT 1500M: 15 in. color TFT 1700M: 17 in. color TFT 1900M: 19 In. color TFT
Bezel	Aluminum or plastic	Aluminum or stainless steel
Resolution	1550M: 1024 x 768, 16.7M colors 1750M/1950M: 1280 x 1024, 16.7M colors	1200M: 800 x 600, 256K colors 1500M: 1024 x 768, 16.7M colors 1700M/1900M:1280 x 1024, 16.7M colors
Touch screen	Resistive antiglare RS232 and USB inputs, model dependent	Resistive antiglare RS232 and USB inputs, model dependent
Contrast ratio	1550M: 400:1 1750M/1950M: 800:1	1200M: 600:1 1500M: 400:1 1700M: 1000:1 1900M: 1300:1
Luminance	1550M: 350 cd/m^2 (Nits) 1750M/1950M: 300 cd/m^2 (Nits)	1500M/1700M: 450 cd/m^2 (Nits) 1700M/1900M: 300 cd/m^2 (Nits)
Video input signal	DVI and VGA (analog)	DVI and VGA (analog)
OS drivers, touch screen	Windows XP Pro (series B or later) Windows Server 2003 (series B or later) Windows 7 Pro 32-bit (series B or later) Windows 7 Pro 64-bit (series C or later) Windows Server 2008 (series C or later)	Windows XP Pro (series F or later) Windows Server 2003 (series F or later) Windows 7 Pro 32-bit (series F or later) Windows 7 Pro 64-bit (series G or later) Windows Server 2008 (series G or later)
Power	AC or DC	AC or DC
Environmental conditions		
Temperature	0…45 °C (32…113 °F)	1200M/1500M: 0…55 °C (32…131 °F) 1700M/1900M: 0…50 °C (32…122 °F)
Shock (operating/nonoperating)	Shock 15 g/20 g	Shock 20 g/30 g
Vibration (operating/nonoperating)	Vibration: 1 g/2 g	Vibration: 2 g/2 g Rated Class 1 Div 2 for hazardous locations Preferred computer: 6181X hazardous location
Mounting	Panel, VESA, bench/tabletop, rack (1900M only)	Panel, bench/tabletop, rack (except 1900M)

Performance Monitors

The 6186M performance monitors are best suited for special purpose environments, such as Class 1 Division 2, and food and beverage areas, providing superior protection against heat, shock, and vibration.

Table 24 - Environmental Specifications - 6186M Performance Monitors

Attribute	6186M-12PN, 6186M-12PT, 6186M-15PN, 6186M-15PT, 6186M-15PNSS, 6186M-15PTSS, 6186M-17PN, 6186M-17PT, 6186M-17PNSS, 6186M-17PTSS, 6186M-19PN, 6186M-19PT, 6186M-19PNSS, 6186M-19PTSS
Temperature, operating 1200M, 1500M 1700M, 1900M	 0…55 °C (32…131 °F) 6186M-12PN, 6186M-12PT, 6186M-15PN, 6186M-15PT, 6186M-15PNSS, 6186M-15PTSS 0…50 °C (32…122 °F) 6186M-17PN, 6186M-17PT, 6186M-17PNSS, 6186M-17PTSS, 6186M-19PN, 6186M-19PT, 6186M-19PNSS, 6186M-19PTSS
Temperature, nonoperating	-20…60 °C (-4…140 °F)
Relative humidity	10...90% noncondensing
Vibration, operating	2 g at 10…640 Hz
Vibration, nonoperating	2 g at 10…640 Hz
Shock, operating	20 g (1/2 sine, 11 ms)
Shock, nonoperating	30 g (1/2 sine, 11 ms)
Enclosure ratings(1)	NEMA/UL 50 Type 1, 4, 4X, 12, and IEC IP66

(1) Applies to panel mounted monitors only.

Table 25 - Certifications - 6186M Performance Monitors

Certification(1)	6186M-12PN, 6186M-12PT, 6186M-15PN, 6186M-15PT, 6186M-15PNSS, 6186M-15PTSS, 6186M-17PN, 6186M-17PT, 6186M-17PNSS, 6186M-17PTSS, 6186M-19PN, 6186M-19PT, 6186M-19PNSS, 6186M-19PTSS
c-UL-us	UL Listed per UL 60950-1 UL 1604 Hazardous Locations, Class 1, Division 2 (when marked) on nameplate) c-UL per CSA C22.2 No. 60950-1-03 UL 60079-15 Hazardous Locations, Class 1, Zone 2, Group IIC (when marked on nameplate) CSA Hazardous Locations per C22.2 No. 213 (when marked)
CE	Marked for all applicable directives
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions

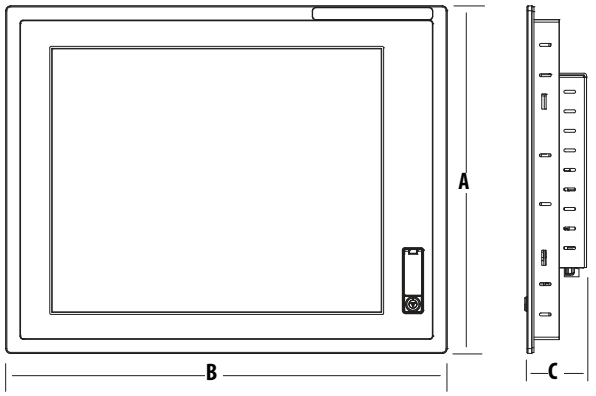
(1) When marked. See the Product Certification link at http://www.ab.com for Declarations of Conformity, Certificates, and other certification details.

Table 26 - Technical Specifications - 6186M Performance Monitors

Attribute	1200M 6186M-12PN, 6186M-12PT	1500M 6186M-15PN, 6186M-15PT, 6186M-15PNSS, 6186M-15PTSS	1700M 6186M-17PN, 6186M-17PT, 6186M-17PNSS, 6186M-17PTSS	1900M 6186M-19PN, 6186M-19PT, 6186M-19PNSS, 6186M-19PTSS
Display type	Color active-matrix TFT LCD	Color active-matrix TFT LCD	Color active-matrix TFT LCD	Color active-matrix TFT LCD
Display size, diagonal	12.1 in. (307 mm)	15 in. (381 mm)	17 in. (432 mm)	19 in. (483 mm)
Display area (WxH)	246 x 185 mm (9.7 x 7.3 in.)	305 x 229 mm (12 x 9 in.)	338 x 270 mm (13.3 x 10.6 in.)	377x 302 mm (14.8 x 11.9 in.)
Resolution	800 x 600 (native mode) 262K colors	1024 x 768 native mode 16.2M colors	1280 x 1024 native mode 16.7M colors	1280 x 1024 native mode 16.7M colors
Luminance	450 cd/m^2 Nits	450 cd/m^2 Nits	300 cd/m^2 Nits	300 cd/m^2 Nits
Contrast ratio	600:1, typical	400:1, typical	1000:1, typical	1300:1, typical
Response time, max	35 ms (rising and falling)	16 ms (rising and falling)	8 ms (rising and falling)	8 ms (rising and falling)
Backlight life	50,000 hours at 25 °C (77 °F)			
Bezel	Aluminum	Aluminum: 6186M-15PN, 6186M-15PT Stainless steel: 6186M-15PNSS, 6186M-15PTSS	Aluminum: 6186M-17PN, 6186M-17PT Stainless steel: 6186M-17PNSS, 6186M-17PTSS	Aluminum: 6186M-19PN, 6186M-19PT Stainless steel: 6186M-19PNSS, 6186M-19PTSS
Touch screen option	Resistive antiglare (RS232 and USB inputs), model dependent			
OS drivers, touch screen	Windows XP Pro (series F or later) Windows Server 2003 (series F or later) Windows 7 Pro 32-bit (series F or later) Windows 7 Pro 64-bit (series G or later) Windows Server 2008 (series G or later)			
USB hub	(2) rear USB 2.0 ports, 500 mA per port (1) front USB 2.0 port, 500 mA, aluminum bezel models only			
Video input signal	DVI and VGA			
Video input connectors	HD-15 VGA for analog video signal DVI for digital video signal			
OSD controls	Rear controls: automatic screen setup (OSD), brightness, contrast, horizontal position, vertical position, image lock, color balance, sync detect			
Input voltage, AC	100…240V AC autoranging, 47…63, requires power adapter			
Power consumption	34 W	34 W	55 W	57 W
Input voltage, DC	9…36V DC (24V DC nominal)			
Weight, approx.	4.4 kg (9.75 lb)	7.3 kg (16.0 lb) 8.6 kg (19.0 lb) stainless steel	8.6 kg (19.0 lb) 10.1 kg (22.25 lb) stainless steel	10.2 kg (22.5 lb) 11.9 kg (26.25 lb) stainless steel
Dimensions (HxWxD), approx.	260 x 340 x 61 mm 10.24 x 13.39 x 2.40 in.	309 x 410 x 61 mm 12.17 x 16.14 x 2.40 in.	356 x 452 x 61 mm 14.02 x 17.80 x 2.40 in.	399 x 483 x 64 mm 15.71 x 19.02 x 2.52 in.
Cutout dimensions (HxWxD)	238 x 318 mm 9.37 x 12.51 in.	285.6 x 386.6 mm 11.24 x 15.22 in.	329.5 x 424 mm 12.97 x 16.69 in.	363.5 x 449.6 mm 14.31 x 17.70 in.
Mounting options	Panel, bench/tabletop, rack, DIN-rail for AC power adapter			Panel, bench/tabletop, DIN-rail for AC power adapter

Dimensions - Performance Monitors

1700M Monitor with Aluminum Bezel Shown



1700M Monitor with Stainless Steel Bezel Shown

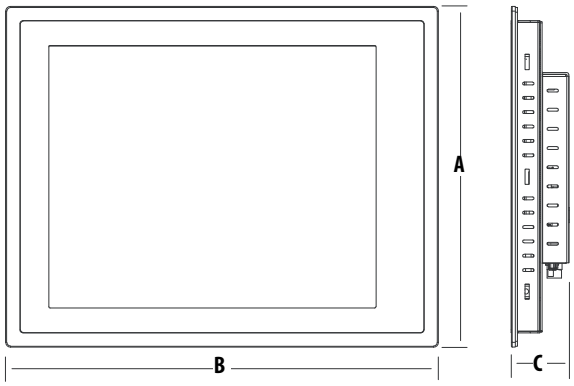


Table 27 - Dimensions - 6186M Performance Monitors

6186M Model	Height A	Width B	Depth C	Cutout Height	Cutout Width
1200M	260 mm 10.24 in.	340 mm 13.39 in.	61 mm 2.40 in.	238 mm 9.37 in.	318 mm 12.51 in.
1500M	309 mm 12.17 in.	410 mm 16.14 in.	61 mm 2.40 in.	285.6 mm 11.24 in.	386.6 mm 15.22 in.
1700M	356 mm 14.02 in.	452 mm 17.80 in.	61 mm 2.40 in.	329.5 mm 12.97 in.	424 mm 16.69 in.
1900M	399 mm 15.71 in.	483 mm 19.02 in.	64 mm 2.52 in.	363.5 mm 14.31 in.	449.6 mm 17.70 in.

Standard Monitors

The 6176M standard monitors are designed for less demanding environments, still providing industrial ratings for temperature, shock, and vibration.

Table 28 - Environmental Specifications - 6176M Standard Monitors

Attribute	6176M-15PN, 6176M-15PT, 6176M-15VN, 6176M-15VT, 6176M-17PN, 6176M-17PT, 6176M-VN, 6176M-VT, 6176M-19PN, 6176M-PT, 6176M-19VN, 6176M-19PT
Temperature, operating	0…45 °C (32…113 °F)
Temperature, nonoperating	-20…60 °C (-4…140 °F)
Relative humidity	10...90% noncondensing
Vibration, operating	1 g at 53…640 Hz
Vibration, nonoperating	2 g at 53…640 Hz
Shock, operating	15 g (1/2 sine, 11 ms)
Shock, nonoperating	20 g (1/2 sine, 11 ms)
Enclosure ratings(1)	NEMA Type 4, 12, IEC IP66

(1) Applies only to panel mounted monitors.

Table 29 - Certifications - 6176M Standard Monitors

Certification(1)	6176M-15PN, 6176M-15PT, 6176M-15VN, 6176M-15VT, 6176M-17PN, 6176M-17PT, 6176M-VN, 6176M-VT, 6176M-19PN, 6176M-PT, 6176M-19VN, 6176M-19PT
UL/c-UL	Listed
CE	Marked for all applicable directives
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions
RoHS	China RoHS, European RoHS

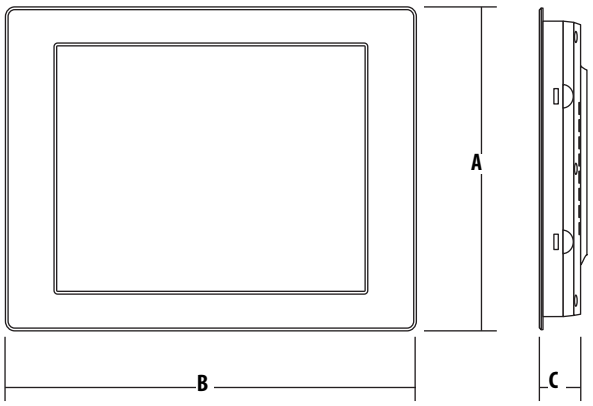
(1) When marked. See the Product Certification link at http://www.ab.com for Declarations of Conformity, Certificates, and other certification details.

Table 30 - Technical Specifications - 6176M Standard Monitors

Attribute	1550M 6176M-15VN, 6176M-15VT, 6176M-15PN, 6176M-15PT	1750M 6176M-17VN, 6176M-17VT, 6176M-17PN, 6176M-17PT	1950M 6176M-19VN, 6176M-19VT, 6176M-19PN, 6176M-19PT
Display type	Color active-matrix TFT LCD	Color active-matrix TFT LCD	Color active-matrix TFT LCD
Display size, diagonal	15 in. (381 mm)	17 in. (432 mm)	19 in. (483 mm)
Display area (WxH)	305 x 229 mm (12.0 x 9.0 in.)	338 x 270 mm (13.3 x 10.7 in.)	377x 302 mm (14.8 x 11.9 in.)
Resolution	1024 x 768, 16.7M colors	1280 x 1024, 16.7M colors	1280 x 1024, 16.7M colors
Luminance	350 cd/m^2 Nits	300 cd/m^2 Nits	300 cd/m^2 Nits
Contrast ratio	400:1, typical	800:1, typical	800:1, typical
Response time	4 ms (falling) 12 ms (rising)	6 ms (rising) 3 ms (falling)	6 ms (rising) 3 ms (falling)
Backlight life	50,000 hours at 25 °C (77 °F)		
Bezel Plastic (reinforced steel) Aluminum alloy	 6176M-15VN, 6176M-15VT 6176M-15PN, 6176M-15PT	 6176M-17VN, 6176M-17VT 6176M-17PN, 6176M-17PT	 6176M-19VN, 6176M-19VT 6176M-19PN, 6176M-19PT
Touch screen option	Resistive antiglare (RS232 and USB inputs), model dependent		
Touch screen controller Series A and B Series C	 Panjit EETI		
OS drivers, touch screen Series A and B Series C	 Windows XP Pro, Windows Server 2003 (32-bit), Windows 7 Pro (32-bit) Windows XP Pro, Windows Server 2003 (32-bit), Windows 7 Pro (32-bit and 64-bit), Windows Server 2008 (64-bit)		
USB hub	(2) USB 2.0, 500 mA per port		
Video input signal	VGA and DVI (system autoselect)		
Video input connectors	HD-15 VGA for analog video signal DVI for digital video signal		
OSD controls	Rear controls: automatic screen setup (OSD), brightness, contrast, horizontal position, vertical position, image lock, color balance, sync detect		
Input voltage, AC	90…264V AC autoranging, 47…63		
Power consumption	2.0 A at 24 W	3 A at 36 W	3.5 A at 42 W
Input voltage, DC	12V DC, power adapter required		
Weight, approx. VESA mount Panel mount	 3.1 kg (6.82 lb) 4.1 kg (9.02 lb)	 4.6 kg (10.12 lb) 5.7 kg (12.54 lb)	 6.0 kg (13.20 lb) 7.5 kg (16.50 lb)
Dimensions (HxWxD), approx. VESA mount Panel mount	 282.6 x 383.6 x 50.0 mm 11.0 x 15.0 x 2.0 in. 309 x 410 x 50 mm 12.2 x 16.1 x 2.0 in.	 326.5 x 421.0 x 53.0 mm 12.9 x 16.6 x 2.1 in. 356 x 452 x 53 mm 14.0 x 17.8 x 2.1 in.	 357 x 444 x 58 mm 14.1 x 17.5 x 2.3 in. 399.3 x 482.6 x 58.0 mm 15.7 x 19.0 x 2.3 in.
Dimensions cutout (HxW), approx. Panel mount	 285.6 x 386.6 mm 11.24 x 15.22 in.	 329.5 x 424.0 mm 12.97 x 16.69 in.	 363.5 x 449.6 mm 14.31 x 17.70 in.
Mounting options	VESA: 6176M-15VN, 6176M-15VT Panel: 6176M-15PN, 6176M-15PT All: bench/tabletop	VESA: 6176M-17VN, 6176M-17VT Panel: 6176M-17PN, 6176M-17PT All: bench/tabletop	VESA: 6176M-19VN, 6176M-19VT Panel: 6176M-19PN, 6176M-19PT Rack: Installs in a standard 19-in. rack All: bench/tabletop

Dimensions - Standard Monitors

1750 Panel Mount Monitor Shown



1750 Vesa Mount Monitor Shown

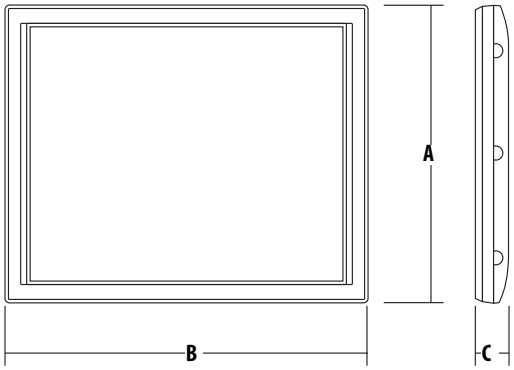


Table 31 - Dimensions - 6176M Standard Industrial Monitors

6176M Model	Height A	Width B	Depth C	Cutout Height	Cutout Width
1550M					
Panel mount	309 mm 12.3 in.	410 mm 16.1 in.	50 mm 2.0 in.	285.6 mm 11.24 in.	386.6 mm 15.22 in.
Vesa mount	282.6 mm 11.0 in.	383.6 mm 15.0 in.	50 mm 2.0 in.	—	—
1750M					
Panel mount	356 mm 14.0 in.	452 mm 17.8 in.	53 mm 2.1 in.	329.5 mm 12.97 in.	424 mm 16.69 in.
Vesa mount	326.5 mm 12.9 in.	421 mm 16.6 in.	53 mm 2.1 in.	—	—
1950M					
Panel mount	399.3 mm 15.7 in.	482.6 mm 19.0 in.	58 mm 2.3 in.	363.5 mm 14.31 in.	449.6 mm 17.70 in.
Vesa mount	357 mm 14.1 in.	444 mm 17.5 in.	58 mm 2.3 in.	—	—

HMI Software

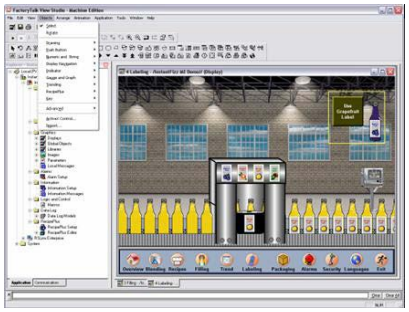
The Allen-Bradley industrial computers support the full suite of Rockwell Software solutions, including Integrated Architecture and FactoryTalk View software. Combining this hardware and software assures comprehensive application support from an industry leader.

FactoryTalk View performance and visibility HMI software, including FactoryTalk View Machine Edition, FactoryTalk View Site Edition, FactoryTalk ViewPoint, and FactoryTalk View Studio are designed with a common look, feel, and navigation to help speed HMI development and training time.

The visualization strategy combines Rockwell Automation expertise in industrialized personal computer hardware with Rockwell Software supervisory control software.

For a complete list of available HMI software, visit http://www.rockwellautomation.com/rockwellsoftware.

FactoryTalk View Machine Edition Software



FactoryTalk View Machine Edition (ME) software supports both open and embedded operator interface solutions for monitoring and controlling individual machines or small processes. This software features a consistent operator interface across multiple platforms, including Microsoft Windows CE, Windows 7, Vista, XP, and Server solutions. FactoryTalk View ME software consists of a design and runtime environment.

FactoryTalk View Studio Software
FactoryTalk View Studio software is the design environment for creating and testing HMI applications, including graphic displays, trending, alarming, and real-time animation. Runtime files can be generated to run on a PanelView™ Plus terminal or industrial computer.

FactoryTalk View ME Station
FactoryTalk View ME Station is the runtime environment for HMI applications. FactoryTalk View ME Station is automatically installed and activated on PanelView Plus terminals. FactoryTalk View ME activation is required when running HMI applications on industrial computers.

Factory Talk View ME offers many advantages:

- Alarming to alert operators to conditions requiring immediate action
- Security to restrict operator access to specific displays
- RecipePlus for machine or process recipe management
- Runtime language switching supports up to 20 languages per application
- Global and predefined objects are time and memory savers
- RSLogix™ 5000 and Logix Designer process faceplates
- Ability to convert runtime application to design application
- Parameter passing to facilitate reuse of displays and design efficiency

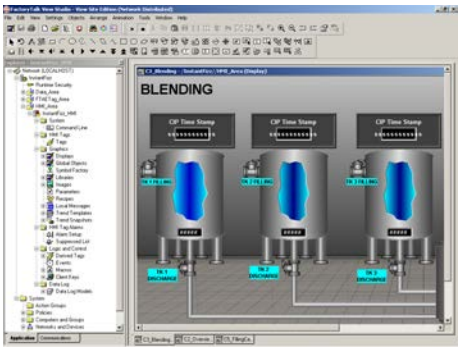
FactoryTalk View Site Edition Software

FactoryTalk View Site Edition (SE) software is an HMI for developing supervisory-level monitoring and control applications. This distributed and scalable architecture can be applied to a standalone, one-server/one-user application to multiple users interfacing with multiple servers. Runtime servers and clients are supported allowing customers to develop and deploy a multi-server/multi-client application.

FactoryTalk View SE applications are created and tested within the FactoryTalk View Studio design environment:

- Share data and seamless integration with other FactoryTalk enabled products. The FactoryTalk Services Platform provides common services, such as security, alarming, and diagnostics across products.
- Optimize plant communication with FactoryTalk Live Data and premier connectivity to Allen-Bradley controllers.
- Access tag information directly in the controller, eliminating the need to create HMI tags.
- Configure an application from anywhere on the network and make changes to a running system with a remote, multi-user configuration capability.
- Define graphic displays once and reference them throughout a distributed system.
- Provide an audit trail of operator and alarm information in a centralized log database.
- Customize the operator experience by using client-side VBA and the exposed graphics object model.
- Maximize system availability with online creation and editing of graphics and optional server redundancy.

FactoryTalk View Studio Software



FactoryTalk View Machine Edition and FactoryTalk View Site Edition share a common design environment called FactoryTalk View Studio for creating applications. The ability to edit and reuse projects in FactoryTalk View Studio improves portability between embedded machine and supervisory HMI systems.

With FactoryTalk View software, all products in the suite are built on the same integrated, scalable architecture. Application developers can import entire machine-level applications into supervisory-level applications or drag individual components and drop them right into supervisory projects, saving development time and reducing engineering and training costs.

Plus, you can protect your current HMI investments by importing PanelBuilder™32 (PanelView) applications into FactoryTalk View ME software and RSView32 applications into FactoryTalk View SE software.

With FactoryTalk View Studio software, you can do the following:

- Configure a single operator station or an entire distributed application from one location.
- Access tags from OPC servers throughout the system via a tag browser that presents direct controller tags and HMI tags in a logical hierarchy.
- Remotely configure RSLinx® and FactoryTalk View SE servers.
- Create displays by using a full-featured graphics editor.
- Define display text in multiple languages, letting operators switch the language at runtime.
- Use pre-engineered faceplates to interface with the process control functions in the Logix controllers.

FactoryTalk ViewPoint Software

An add-on to FactoryTalk View SE software and PanelView Plus 6 terminals, FactoryTalk ViewPoint software provides on-demand access to important information about your plant or process from a web browser. Plant managers, supervisors, OEMs, system integrators, and other key stakeholders can now access, monitor, and interact with plant floor operations from virtually any location. The thin-client configuration means no client software to install and maintain, lowering total cost of ownership:

- Fully scalable, animated web applications viewable in the office, at home, or on the road.
- Gives managers, OEMs, and system integrators read and write capability to both view and control real-time plant floor operations by logging into an Internet browser.
- Provides read and write capability to monitor
- Gain fast access to real-time information by using a standard web browser.
- Supports multiple browsers and client devices for increased flexibility.
- Lets FactoryTalk View projects be web-enabled without requiring application changes.
- Monitor and control HMI applications, perform diagnostics, and provide remote support without having to be at customer sites.

Software Comparison

TECHNOLOGY: Customer Requirements	FactoryTalk View Site Edition Software	FactoryTalk View Machine Edition Software	RSView32 Software
Operating systems (32-bit)	• Windows XP SP3 • Windows 7 Professional • Windows Vista Business • Windows Server 2003 R2 SP3 • Windows Server 2008 SP2	• Windows XP • Windows 7 Professional • Windows CE • Windows Vista Business • Windows Server 2003/2008	• Windows XP SP3 • Windows 7 Professional • Windows Server 2003 R2 SP3 • Windows Server 2008 SP2
Operating systems (64-bit)	• Windows 7 Professional SP1 • Windows Server 2008 R2 and SP2	• Windows 7 Professional SP1 • Windows Server 2008 R2 and SP2	
Embedded platforms		✔	
Windows domain security	✔	✔	✔
OPC/ActiveX	✔	✔	✔
FactoryTalk enabled	✔	✔	✔
Server-side VBA			✔
Client-side VBA	✔		

ARCHITECTURE: Customer Requirements	FactoryTalk View Site Edition Software		FactoryTalk View Machine Edition Software	RSView32 Software
Primary application	Supervisory level: single-station or multiple-server, multiple-client		Machine level: single-station	Supervisory level; single station or single server, multiple client
Tag-based HMI	✔		✔	• Windows XP/2000/NT/9x/ • Windows Server 2003
Direct referencing	✔		✔	
	Network (Distributed)	Local		
Max Number of servers/clients	10/50			1/20
FactoryTalk ViewPoint	✔	✔	✔ (1)	✔
RSView32 web server				✔
Thin clients (terminal services)	✔			✔
Multi-user development	✔			
Remote configuration at runtime	✔			
Redundancy - data server	✔			
Redundancy - HMI server	✔			Active display

(1) Supported only on PanelView Plus 6 terminals.

FEATURES: Customer Requirements	FactoryTalk View Site Edition Software	FactoryTalk View Machine Edition Software	RSView32 Software
Animation - visibility, color, fill, horizontal and vertical position, width, height, rotation, horizontal and vertical slider, and more	And touch	No touch animation	And touch
Alarms	• FactoryTalk alarms and events • HMI alarms • Digital and analog • Defined alarm severities • Alarm log	• Tag-based (from controller) • Alarm log	• Tag-based • Digital and analog • Definable alarm severities • Alarm log
Data logging	• 20 data log models per project • Each with up to 10,000 tags • Log to ODBC or proprietary database	• 1 data log model per project • With up to 100 tags • 1,000 K records max • Export to dbf	• 20 plus data log models per project • Each with up to 10,000 tags • Log to ODBC or proprietary database
Trending	TrendX 4.0	TrendX 4.0 subset	TrendX 3.1 and native
Security	• Security assigned to tags, graphic displays, macros, commands, OLE objects • Local or Windows security	• Display-based • Local or Windows security	• Security assigned to tags, graphic displays, macros, commands, OLE objects • Local or Windows security
Other features	• Test run macros • Derived tags • Event detector	• Test run macros • Derived tags • S/BTest RunMacrosDerived Tags	• Test run macros • Derived tags • Event detector
Pricing model	• Display-based pricing • Multiple levels	• Included with PanelView Plus 6 or display-based pricing • Multiple levels for FactoryTalk View ME Station	• Tag-based pricing • Multiple levels

Table 32 - FactoryTalk View Site Edition (SE) Software

Cat. No.[1]	Description[2]
9701-VWSTENE	FactoryTalk View Studio for FactoryTalk View Enterprise- configuration software for developing and testing machine level and supervisory level HMI applications
9701-VWSCWAENE	FactoryTalk View SE Client - software for viewing and interacting with FactoryTalk View SE Servers [3]
9701-VWSCRAENE	FactoryTalk View SE View Client - provides read-only capabilities
9701-VWSB015AENE	FactoryTalk View SE Station 15 display
9701-VWSB025AENE	FactoryTalk View SE Station 25 display
9701-VWSB100AENE	FactoryTalk View SE Station 100 display
9701-VWSB250AENE	FactoryTalk View SE Station 250 display
9701-VWSB000AENE	FactoryTalk View SE Station unlimited display
9701-VWSS025LENE	FactoryTalk View SE Server 25 display with RSLinx Enterprise
9701-VWSS100LENE	FactoryTalk View SE Server 100 display with RSLinx Enterprise
9701-VWSS250LENE	FactoryTalk View SE Server 250 display with RSLinx Enterprise
9701-VWSS000LENE	FactoryTalk View SE Server unlimited display with RSLinx Enterprise

(1) Order localized versions of the software by replacing EN in the catalog number with DE for German, FR for French, JP for Japanese, or ZH for Chinese.
(2) FactoryTalk View Station and FactoryTalk View SE Server include RSLinx Enterprise and RSLinx Classic, version 2.*x*.
(3) FactoryTalk View SE Server stores HMI project components and serves to clients, for example, graphic displays.

Table 33 - FactoryTalk ViewPoint Software

Cat. No.[1]	Description[2]
9522-VWP01RENE	FactoryTalk ViewPoint 1-client system
9522-VWP03RENE	FactoryTalk ViewPoint 3-client system
9522-VWP05RENE	FactoryTalk ViewPoint 5-client system
9522-VWP10RENE	FactoryTalk ViewPoint 10-client system
9522-VWP25RENE	FactoryTalk ViewPoint 25-client system
9522-VWP50RENE	FactoryTalk ViewPoint 50-client system

(1) Order any of these catalog numbers to use FactoryTalk ViewPoint software with FactoryTalk View SE network or local applications.
(2) FactoryTalk ViewPoint server and a single client access license is included with the purchase of a PanelView Plus 6 terminal. No other catalog numbers are required to use FactoryTalk ViewPoint software with PanelView Plus 6 terminals.

Table 34 - FactoryTalk View Machine Edition (ME) Software

Cat. No.[1]	Description
9701-VWSTMENE	FactoryTalk View Studio for Machine Edition - configuration software for developing and testing machine level HMI applications. FactoryTalk View Machine Edition includes RSLinx Enterprise and KEPServer Enterprise software.

(1) Order localized versions of the software by replacing EN in the catalog number with DE for German, FR for French, JP for Japanese, or ZH for Chinese.

Table 35 - FactoryTalk View Machine Edition (ME) Station

Cat. No.[1]	Description [2] [3]
9701-VWMR015AENE	FactoryTalk View ME Station runtime 15 displays
9701-VWMR030AENE	FactoryTalk View ME Station runtime 30 displays
9701-VWMR075AENE	FactoryTalk View ME Station runtime 75 displays
9701-VWMR250AENE	FactoryTalk View ME Station runtime 250 displays

(1) Order localized versions of the software by replacing EN in the catalog number with DE for German, FR for French, JP for Japanese, or ZH for Chinese.

(2) FactoryTalk View Machine Edition Station is the runtime environment used to run FactoryTalk View ME projects created with FactoryTalk View Studio software on any computer with the Windows CE, Windows 7 Professional, Windows XP/Vista Home Basic/Vista Business, or Windows Server 2003/2008 operating system including the industrial computers.

(3) FactoryTalk View ME Station Runtime is included with all PanelView Plus 6 terminals.

Table 36 - RSView32 Software

Cat. No.	Description[1]
9301-2SE3104	RSView32 Runtime 150 with RSLinx single node
9301-2SE3103	RSView32 Runtime 150 with RSLinx - Includes 9301-2SE3100 RSView32 Runtime 150 and 9355-WABENE RSLinx
9301-2SE3100	RSView32 Runtime 150 - 150 tag database and standalone runtime
9301-2SE2104	RSView32 Works 150 with RSLinx single node
9301-2SE2103	RSView32 Works 150 with RSLinx - Includes 9301-2SE2100 RSView32 Works 150 and 9355-WABENE RSLinx
9301-2SE2100	RSView32 Works 150 - 150 tag database including development and one embedded runtime
9301-2SE3204	RSView32 Runtime 300 with RSLinx Classic single node
9301-2SE3203	RSView32 Runtime 300 with RSLinx Classic - Includes 9301-2SE3203 RSView32 Runtime 300 and 9355-WABENE RSLinx Classic
9301-2SE3200	RSView32 Runtime 300 - 300 tag database and standalone runtime
9301-2SE2204	RSView32 Works 300 with RSLinx Classic single node
9301-2SE2203	RSView32 Works 300 with RSLinx Classic - Includes 9301-2SE2200 RSView32 Works 300 and 9355-WABENE RSLinx Classic
9301-2SE2200	RSView32 Works 300 - 300 tag database including development and one embedded runtime
9301-2SE3304	RSView32 Runtime 1500 with RSLinx Classic single node
9301-2SE3303	RSView32 Runtime 1500 with RSLinx Classic including 9301-2SE3300 RSView32 Runtime 1500 and 9355-WABENE RSLinx Classic
9301-2SE3300	RSView32 Runtime 1500 - 1500 tag database and standalone runtime
9301-2SE2304	RSView32 Works 1500 with RSLinx Classic single node
9301-2SE2303	RSView32 Works 1500 with RSLinx Classic including 9301-2SE2300 RSView32 Works 1500 and 9355-WABENE RSLinx Classic
9301-2SE2300	RSView32 Works 1500 - 1500 tag database including development and one embedded runtime
9301-2SE3353	RSView32 Runtime 5000 with RSLinx Classic including 9301-2SE3500 RSView32 Runtime 5000 and 9355-WABENE RSLinx Classic
9301-2SE3350	RSView32 Runtime 5000 - 5000 tag database and standalone runtime
9301-2SE2353	RSView32 Works 5K with RSLinxRSView32 Works 5000 with RSLinx Classic - Includes 9301-2SE2350 RSView32 Works 5000 and 9355-WABENE RSLinx Classic
9301-2SE2350	RSView32 Works 5000 - 5000 tag database including development and one embedded runtime
9301-2SE3403	RSView32 Runtime 32K with RSLinx Classic - Includes 9301-2SE3400 RSView32 Runtime 2K and 9355-WABENE RSLinx Classic

Table 36 - RSView32 Software

Cat. No.	Description[1]
9301-2SE3400	RSView32 Runtime 32K - 32,000 tag database and standalone runtime
9301-2SE2403	RSView32 Works 32K with RSLinx Classic - Includes 9301-2SE2400 RSView32 Works 32K and 9355-WABENE RSLinx Classic
9301-2SE2400	RSView32 Works 32K - 32,000 tag database including development and one embedded runtime
9301-2SE3503	RSView32 Runtime 100K with RSLinx Classic - Includes 9301-2SE3500 RSView32 Runtime 100K and 9355-WABENE RSLinx Classic
9301-2SE3500	RSView32 Runtime 100K - 100,000 tag database and standalone runtime
9301-2SE2503	RSView32 Works 100K with RSLinx Classic - Includes 9301-2SE2500 RSView32 Works 100K and 9355-WABENE RSLinx Classic
9301-2SE2500	RSView32 Works 100K - 100,00 tag database including development and one embedded runtime
9301-RSVWSENE	RSView32 Web Server
9301-MSGRPR0ENE	RSView32 Messenger Pro

(1) Monitors, controls, and acquires data.

Table 37 - RSView32 Active Display System

Cat. No.	Description[1]
9305-RSVADSENE	RSView32 Active Display Server - Includes one active display server (no clients)
9305-ADSGWENE	RSView32 Active Display Server with RSLinx Gateway - Includes one active display server (no clients) and 9355-WABGWENE RSLinx Gateway
9305-RSVADFCENE	RSView32 Active Display Floating Client - Includes one client with server-side activation
9305-RSVADDCENE	RSView32 Active Display Dedicated Client - Includes one client with client-side activation
9305-RSVADFVCENE	RSView32 Active Display Floating View Client - Includes one view-only client with server-side activation

(1) Client/Server Enhancement to RSView32

Table 38 - RSView32 Languages

Cat. No.	Description
Choose language by replacing the xx in the catalog number with FR for French, ES for Spanish, IT for Italian, DE for German, PT for Portuguese, JP for Japanese, ZH for Chinese and KO for Korean	
9301-2SE2100xxE	RSView32 Works 150
9301-2SE2103xxE	RSView32 Works 150 with RSLinx Classic Bundle
9301-2SE2200xxE	RSView32 Works 300
9301-2SE2203xxE	RSView32 Works 300 with RSLinx Classic Bundle
9301-2SE2300xxE	RSView32 Works 1500
9301-2SE2303xxE	RSView32 Works 1500 with RSLinx Classic Bundle
9301-2SE2350xxE	RSView32 Works 5K
9301-2SE2353xxE	RSView32 Works 5K with RSLinx Classic Bundle
9301-2SE2400xxE	RSView32 Works 32K
9301-2SE2403xxE	RSView32 Works 32K with RSLinx Classic Bundle
9301-2SE2500xxE	RSView32 Works 100K
9301-2SE2503xxE	RSView32 Works 100K with RSLinx Classic Bundle
9301-2SE3100xxE	RSView32 Runtime 150
9301-2SE3103xxE	RSView32 Runtime 150 with RSLinx Classic Bundle
9301-2SE3200xxE	RSView32 Runtime 300

Table 38 - RSView32 Languages

Cat. No.	Description
9301-2SE3203xxE	RSView32 Runtime 300 with RSLinx Classic Bundle
9301-2SE3300xxE	RSView32 Runtime 1500
9301-2SE3303xxE	RSView32 Runtime 1500 with RSLinx Classic Bundle
9301-2SE3350xxE	RSView32 Runtime 5K
9301-2SE3353xxE	RSView32 Runtime 5K with RSLinx Classic Bundle
9301-2SE3400xxE	RSView32 Runtime 32K
9301-2SE3403xxE	RSView32 Runtime 32K with RSLinx Classic Bundle
9301-2SE3500xxE	RSView32 Runtime 100K
9301-2SE3503xxE	RSView32 Runtime 100K with RSLinx Classic Bundle
Choose language by replacing the xx in the catalog number with FR for French, ES for Spanish, IT for Italian, DE for German, PT for Portuguese	
9305-RSVADSxxE	RSView32 Active Display Server
9305-RSVADFCxxE	RSView32 Active Display Floating Client
9305-RSVADDCxxE	RSView32 Active Display Dedicated Client
9305-RSVADFVCxxE	RSView32 Active Display Floating View Client

Table 39 - Third-party Connectivity

Cat. No.	Description
9301-OPCSRVENE	KEPServer Enterprise for FactoryTalk View Site Edition and RSView32

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
Visualization Solutions Selection Guide, VIEW-SG001	Provides an overview of the visualization products including catalog number selections offered by Rockwell Automation.
Integrated Display Computers User Manual, publication 6181P-UM002	Provides information on installing, making connections, operating, and troubleshooting the computer.
Integrated Display Computers with Keypad User Manual, publication 6180P-UM001	Provides information on installing, making connections, operating, and troubleshooting the computer.
Industrial Computers for Hazardous Locations Installation Instructions, publication 6181X-IN001	Provides information and guidelines for installing this computer in hazardous locations and extreme temperature environments.
Industrial Computers for Hazardous Locations Installation Instructions, publication 6181X-UM001	Provides information and guidelines for installing, operating, and troubleshooting this computer in hazardous locations and extreme temperature environments.
Compact Non-display Computers User Manual, publication 6155R-UM002	Provides information on installing, making connections, operating, and troubleshooting the computer.
Industrial Non-display Computers User Manual, publication 6177R-UM002	Provides information on installing, making connections, operating, and troubleshooting the 750R and 1450R non-display computer.
Industrial Non-display Computers User Manual, publication 6177R-UM001	Provides information on installing, making connections, operating, and troubleshooting the 650R non-display computer.
Cloning Utility Technical Data, publication 6000-TD002	Provides information on how to create and restore a backup image of your computer's hard drive.
Diagnostic Utility for Industrial Computers, publication 6000-TG001	Provides information on how to diagnose hardware issues with industrial computers.
EWF and HORM Configuration Utility Technical Data, publication 6000-TD003	Provides information on how to configure Enhanced Write Filter (EFW) and Hibernate Once Restore Many (HORM) features for computers with the Windows Embedded Standard 2009 operating system.
6186M Performance Monitors User Manual, publication 6186M-UM002	Provides details about how to install and mount the monitors, configure video setup, and troubleshoot the monitors.
6176M Standard Monitors User Manual, publication 6176M-UM001	Provides details about how to install and mount the monitors, configure video setup, and troubleshoot the monitors.

You can view or download publications at http://www.rockwellautomation.com/literature. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

Important User Information

Solid-state equipment has operational characteristics differing from those of electromechanical equipment. Safety Guidelines for the Application, Installation and Maintenance of Solid State Controls (publication SGI-1.1 available from your local Rockwell Automation sales office or online at http://www.rockwellautomation.com/literature/) describes some important differences between solid-state equipment and hard-wired electromechanical devices. Because of this difference, and also because of the wide variety of uses for solid-state equipment, all persons responsible for applying this equipment must satisfy themselves that each intended application of this equipment is acceptable.

In no event will Rockwell Automation, Inc. be responsible or liable for indirect or consequential damages resulting from the use or application of this equipment.

The examples and diagrams in this publication are included solely for illustrative purposes. Because of the many variables and requirements associated with any particular installation, Rockwell Automation, Inc. cannot assume responsibility or liability for actual use based on the examples and diagrams.

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