

Non-Display Industrial Computers



750R and 1450R Models – Bulletin 6177R

Features & Benefits

Performance for Your Application

- Dual and quad core Intel 2nd Generation Core Processors
- Stunning Intel HD 2000 graphics
- Fast DDR3 RAM and high capacity hard disk drives

Robust Industrial Design

- Hot swappable shock mounted 24/7 rated hard disk drives
- Robust design utilizing long life components, gold plating, and locking connectors
- Internal USB port for secure use of USB storage devices and activation dongles

Suited for Industrial Environments

- 0...50 °C operating environment
- 1G operating vibration and 15G operating shock ratings

Powerful Remote Management

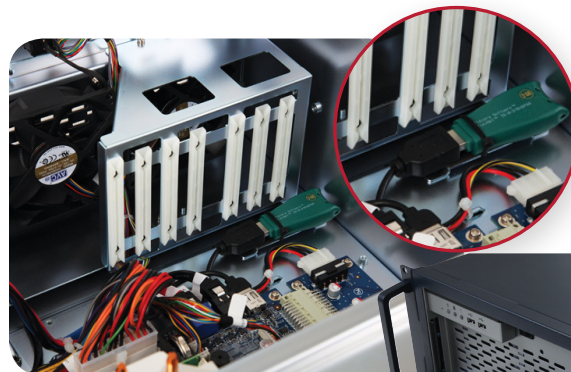
- Intel AMT 7.0 for remote management

Integrated Utilities for Simplified Management

- Integrated system backup/restore capabilities to local HDD or USB device
- Integrated diagnostics

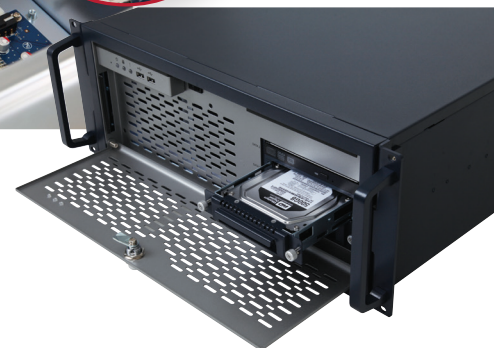


Allen-Bradley® 750R and 1450R non-display industrial computers feature extremely powerful Intel 2nd Generation core processors, speedy DDR3 memory, and large hard disk drives. Whether installed on the plant floor for localized applications, or in control rooms for demanding visualization applications, these industrial computers are designed for high performance, ease of maintenance and reliability. The 6177R products are available in two industrial form factors that allow machine mounting or rack mounting for application flexibility. They have the same footprint as previous generation 750R and 1450R products for simplified migration.



Left: Internal USB port for secure use of USB devices

Below: Hot swappable, shock mounted, 24/7 rated hard disk drives



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Allen-Bradley industrial computers are built to complement our suite of Rockwell Software® solutions. As an industry leader, Rockwell Automation can help support your application needs.

Other Allen-Bradley industrial computer advantages:

- Stocked for quick delivery
- Global sales and support
- Immediate exchange program
- Managed technology changes
- Drivers and backup system images located on Rockwell Automation® Product Compatibility and Download Center



Specifications

	750R Machine Mount			1450R Rack Mount		
	Performance	Advanced	Server	Performance	Advanced	Server
Type	Non-display, external monitor required					
Processor	Intel i3-2120 3.3 Ghz, Dual Core	Intel i5-2400 3.1 GHz, Quad Core		Intel i3-2120 3.3 GHz, Dual Core	Intel i5-2400 3.1 GHz, Quad Core	
RAM	4 GB DDR3	8 GB DDR3		4 GB DDR3	8 GB DDR3	
Storage Drive	1 x 500 GB (3.5" SATA)		2 x 500 GB (3.5" SATA)	1 x 500 GB (3.5" SATA)		2 x 500 GB (3.5" SATA)
RAID	RAID 0/1 capable	RAID 0/1 capable	RAID 1*	RAID 0/1 capable	RAID 0/1 capable	RAID 1*
Optical Drive	CD/DVD-RW					
Ethernet LAN	2 ethernet 10/100/1000 ports					
Inputs/Outputs	4 USB 2.0 (rear), 2 USB 2.0 (front), 1 USB 2.0 (internal) 1 USB 3.0 (front), 1 USB 3.0 (rear), 1 eSATAp (rear) 2 serial ports, 2 PS2 ports, 1 parallel port, audio line out/in, mic					
Video	1 x DVI-I, 1 x DVI-D (VGA capable with included adapter)					
Expansion Slots	1 PCI Express x16, 1 PCI Express x4, 1 PCI Express x1, 1 PCI			1 PCI Express x16, 1 PCI Express x4, 1 PCI Express x1, 4 PCI		
Operating Systems	Windows 8.1 Industry Pro (64 bit), Windows 7 Professional SP1 (64 Bit), Windows 10 IoT Enterprise (64 bit), Windows Server 2012 R2 (64 bit), Windows Server 2008 R2 SP1 (64 bit), No operating system					
Power Requirements	100...240V AC, autoranging					
Temperature/Operating	0...50 °C (32...122 °F)					
Vibration/Operating	0.006" p-p, 10...57 Hz, 1.0 g peak, 57...640 Hz					
Shock/Operating	15.0 g (1/2 sine, 11 ms)					
Certifications/Standards	cULus Listed, CSA C22.2, CE Mark, C-Tick, KC Mark, FCC Class A					
Mounting Method	Machine mount			Rack mount, 4U		
Mounting Dimensions	360 x 170 x 381 mm (14.17" x 6.69" x 15.01")			176 x 431 x 465 mm (6.93" x 16.97" x 18.31")		

* RAID 1 enabled on 6177R-MMSS8 and 6177R-RMSS8 models only. Other models require 2nd HDD and RAID array configuration.

* For complete specifications see publication 6177R-UM002A-EN-P user manual, appendix a.

Catalog Numbers

Catalog Number	Description	Operating System
6177R-MMPW7	Machine mount, performance model	Windows 7 Professional SP1 (64 bit)
6177R-MMPNO	Machine mount, performance model	No operating system
6177R-MMAW7	Machine mount, advanced model	Windows 7 Professional SP1 (64 bit)
6177R-MMSS8	Machine mount, server model	Windows Server 2008 R2 SP1 (64 bit)
6177R-MMSNO	Machine mount, server model	No operating system
6177R-MMAW8	Machine mount, advanced model	Windows 8.1 Industry Pro (64 bit)
6177R-MMS12	Machine mount, server model	Windows Server 2012 R2 (64 bit)
6177R-RMPW7	Rack mount, performance model	Windows 7 Professional SP1 (64 bit)
6177R-RMAW7	Rack mount, advanced model	Windows 7 Professional SP1 (64 bit)
6177R-RMPNO	Rack mount, performance model	No operating system
6177R-RMSS8	Rack mount, server model	Windows Server 2008 R2 SP1 (64 bit)
6177R-RMSNO	Rack mount, server model	No operating system
6177R-RMAW8	Rack mount, advanced model	Windows 8.1 Industry Pro (64 bit)
6177R-RMS12	Rack mount, server model	Windows Server 2012 R2 (64 bit)
6177R-MMAWX	Machine mount, advanced model	Windows 10 IoT Enterprise (64 bit)
6177R-MMPWX	Machine mount, performance model	Windows 10 IoT Enterprise (64 bit)
6177R-RMAWX	Rack mount, advanced model	Windows 10 IoT Enterprise (64 bit)
6177R-RMPWX	Rack mount, performance model	Windows 10 IoT Enterprise (64 bit)

Accessories for Use with These Products

Catalog Number	Description
6189V-RACKSLIDES	Rack slides for rack mount models (6177R-RMxxx)
6189V-HDDTRAY	Replacement HDD tray
6189V-35HDD500GB	500GB HDD pre-installed in HDD tray
6189V-35SSD128GB	128GB SSD pre-installed in SSD tray
6189V-4GDDR3	4GB RAM upgrade (2 x 2 GB)
6189V-8GDDR3	8GB RAM upgrade (2 x 4 GB)
6189V-16GDDR3	16GB RAM upgrade (2 x 8 GB)
6189V-DVIVGA	DVI to VGA adapter
6189V-PCIBARMM	I/O card retention bar, machine mount
6189V-PCIBARRM	PCI hold down bar, rack mount
6189V-PSU600W	Replacement power supply unit

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