

# Industrial Computing

# Guardian Series Rugged Workstation



Built tough for extreme environments, Guardian Rugged Workstations and their predecessors are currently in use in coal mines, rock quarries, oil rigs, chemical manufacturing plants, bakeries, and production floors of major food processing and packaging plants requiring washdown. The Guardian Rugged Workstation family is custom engineered for rugged indoor and outdoor conditions.

The Guardian Rugged Workstation series is built to withstand the harshest conditions, integrated into sealed, NEMA 4x, stainless steel (316) enclosures. There are no external vents. This protects components from dust, dirt, moisture, chemicals, oil, and other external contaminants. A closed-loop thermal

management system uses a bi-planar, finned, anodized aluminum heat exchanger to keep internal operating temperatures low, without using outside air, even during extreme ambient heat. Shock and vibration isolation is provided on the chassis and in the drive bay for protection in severe vibration environments.

The Guardian Rugged Workstation series operates smoothly and efficiently in conditions where other computers fail. The electronics and chassis were designed together to provide reliable and effective durability. Each system is thoroughly inspected and tested before shipping to ensure trouble-free, long-term operation.

**Industrial  
Computing**

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# Guardian Series Rugged Workstation

	<b>RWS-15</b>	<b>RWS-19</b>
Processor:	1.8 GHz Intel Pentium M	1.8 GHz Intel Pentium M
Memory:	1GB DDR SDRAM (2GB option)	1GB DDR SDRAM (2GB option)
Disk Drives:	80 GB (120GB or 160 GB option), CDRW/DVD	80 GB (120GB or 160 GB option), CDRW/DVD
Video:	15" Active Matrix TFT LCD display 1024 X 768	19" Active Matrix TFT LCD display 1280 x 1024 SXGA
Touchscreen:	Resistive Touchscreen (optional)	Resistive Touchscreen (optional)
Expansion:	1 X PCI, 1 X mini-PCI	1 X PCI, 1 X mini-PCI
Networking:	Dual RJ-45 10/100 Base-T Ethernet (802.11x wireless option)	Dual RJ-45 10/100 Base-T Ethernet (802.11x wireless option)
Standard Connections:	4 X USB 2.0 3 X DB-9 Serial 1 X Parallel	4 X USB 2.0 3 X DB-9 Serial 1 X Parallel
Power Management:	Supports APM for LCD powerdown	Supports APM for LCD powerdown
Enclosure:	Easy-open lockable door 316 stainless steel sealed Anodized aluminum heat sink	Easy-open lockable door 316 stainless steel sealed Anodized aluminum heat sink
Keyboard/Mouse:	NEMA 4x Industrial silicone rubber keyboard with integrated pointing device	NEMA 4x Industrial silicone rubber keyboard with integrated pointing device
Environmental/ Thermal:	NEMA 4x Water Proof Dust Proof -20 C to 55C IP67	NEMA 4x Water Proof Dust Proof -20 C to 55C IP67
Dimensions:	20" H x 24" W x 16" D	20" H x 24 W x 17" D
Weight:	98 lbs.	105 lbs.