

# Industrial Computing

# Guardian Rugged Panel PC



**With Guardian Rugged Panel PCs, save space and money without compromising on quality.**

Industrial Computing has developed high-end industrial and military performance in a durable, economical, small-footprint PC package.

The Guardian model is available in rugged NEMA 4X-compliant enclosures, making them ideal PCs for industrial and military automation control, data collection, process and master monitoring, and operator interface applications where space and budget are limited.

## **ECONOMICAL**

Guardian Panel PCs are designed as all-in-one computing platforms, to minimize costly upgrades and customizations.

The Guardian electronics design is fixed for a minimum of three years from product introduction. Customers may rely on continuous compatibility, and make purchases over time.

## **RUGGED**

The Guardian Series easily handles the punishment of harsh computing environments.

These computers are proven tough in real world applications: industrial applications, military systems, marine applications, adverse climate and others. Systems are tested to MIL-STD-167, MIL-STD-901D, and MIL-STD-461 for EMI.

Our sealed, water-proof, corrosion-resistant, stainless steel NEMA 4X enclosures, combined with solid construction, make the PCs in the Guardian Series some of the toughest available.

The Guardian chassis has no external vents, so nothing (including dust, dirt, moisture, oil, chemicals and other external contaminants) gets under its skin.

A hard anodized cast aluminum heat exchanger and internal fans keep the system cool even in the most stressful environments — without using outside air. A sealed, screwless door enables easy entry for maintenance.

## **VERSATILE**

The relatively lightweight, small-footprint, rugged construction, and choice of conduit fitting locations, enable flexible mounting options for the Guardian, including on walls, stands or other industrial equipment.

A touchscreen provides freedom from keyboard and mouse, although either (or both) of these may be added.

Each Guardian Series PC is a cost-effective, high-quality system with a host of available options, suitable for a wide range of industrial and military applications. A long product life cycle and small size make it perfect for OEM use.

**Industrial Computing**

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# Guardian Series Rugged Panel PC

	RPP-10	RPP-15	RPP-17	RPP-19
Processor:	300 MHz AMD Geode processor	800 MHz VIA C3 processor (Pentium M CPU optional)	1.8 GHz Intel Pentium M	1.8 GHz Intel Pentium M
Memory:	256MB SDRAM	256MB SDRAM (512MB optional)	1 GB DDR SDRAM (2 GB optional)	1 GB DDR SDRAM (2 GB optional)
Disk Drives:	40 GB (80 GB option)	40 GB (80 GB option)	80 GB (120 GB and 160 GB options), CDRW/DVD	80 GB (120 GB and 160 GB options), CDRW/DVD
Video:	10.4" active matrix TFT LCD display 800 x 600 SVGA	15" active matrix TFT LCD display 1024 x 768 XGA	17" Active Matrix TFT LCD display 1280 x 1024 SXGA	19" Active Matrix TFT LCD display 1280 x 1024 SXGA
Touchscreen:	Resistive	Resistive	Resistive	Resistive
Expansion:	PC/104	PC/104-Plus	1 X PCI, 1 X mini-PCI	1 X PCI, 1 X mini-PCI
Networking:	RJ-45 10/100 Base-T Ethernet (802.11x wireless option)	RJ-45 10/100 Base-T Ethernet 2nd Ethernet RJ45 Ethernet (optional)	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:	1 X USB 1.1 RJ45 Ethernet	2 X USB 1.1	4 X USB 2.0 3 X DB-9 Serial 2 X Mini-DIN PS/2 1 X Parallel	4 X USB 2.0 3 X DB-9 Serial 2 X Mini-DIN PS/2 1 X Parallel
Optional Connections:	Serial/Parallel One additional USB (Type A or B)	Serial/Parallel Two additional USB (Type A or B)		
Power Management:	Supports APM for LCD powerdown	Supports APM for LCD powerdown	Supports APM for LCD powerdown	Supports APM for LCD powerdown
Enclosure:	316 stainless steel sealed Anodized aluminum heat sink 6" Handles	316 stainless steel sealed Anodized aluminum heat sink 8" Handles	316 stainless steel sealed Anodized aluminum heat sink	316 stainless steel sealed Anodized aluminum heat sink
Environmental/ Thermal:	NEMA 4x Water Proof Dust Proof 50°C IP67	NEMA 4x Water Proof Dust Proof 45°C IP67	NEMA 4X Water Proof Dust Proof 55° C IP67	NEMA 4X Water Proof Dust Proof 55° C IP67
Dimensions:	11" H x 13" W x 6" D	16" H x 18" W x 7" D	18" H x 20" W x 11" D	18" H x 20" W x 11" D
Weight:	16 lbs.	30 lbs.	53 lbs.	53 lbs.