

P1-10" PowerStation Overview:



The new addition to the P1 PowerStation line features a 10", Pentium 166 processor package. Like the other P1 products, this new economical 10" unit is available with a color or mono display option with PC/104 expansion. The P1-10" comes bundled with Interact core modules (panel tools, graphics, alarming, and networking), and can also be bundled with any of the Interact optional modules, as well as MachineLogic, CTC's PC-Based Control Software.

Feature Comparison P1-10", PS Series & P2 PowerStations

	P2	P1-10"	PS	Benefits
Model Number	P21-XCX-AX-1DX	P15-XXXDR-X	PS10-2XX-XXX-XDX	
Mounting	Studs	Clip Mount	Clip Mount	Easier Installation
Power Switch	Yes	NO	NO	
Processor	5x86-133	Pentium 166 MMX	Pentium 266 MMX	Faster Screen Updates Allow For More Graphical Screens
RAM (Standard)	8MB	32MB	32MB	Run Additional Interact Modules without a Memory Upgrade
RAM (Maximum)	32MB	256MB	256MB	More Capacity
Mass Storage (Standard)	8MB Compact Flash in External Connector	16MB Compact Flash in External Connector	16MB Compact Flash in External Connector	More Capacity for Larger Applications
Mass Storage (Optional)	Upgrade to 128MB CF	Upgrade to 128MB CF	Upgrade to 128MB CF And/or - Second Internal CF socket with up to 128MB CF And/or - Mechanical HDD (2.1GB+)	More Options and Upgradeability
Floppy Drive Option	NO	NO	YES	
CD-ROM Option	NO	NO	YES	
I/O Ports:				
Serial	(1) RS-232/422/485 (1) RS-232	(1) RS-232/422/485 (2) RS-232	(1) RS-232/422/485 (2) RS-232	Additional PLC Connections at No Cost
USB	NO	NO	YES	
Ethernet	10/100BaseT (RJ45)	10/100BaseT (RJ45)	10/100BaseT (RJ45)	
Parallel	(1) 25 Pin D-Sub	(1) 25 Pin D-Sub	(1) 25 Pin D-Sub	
Keyboard /Mouse	(1) Dual Port with Y Cable	(1) PS/2 Mouse Port (1) PS/2 Keyboard	(1) PS/2 Mouse Port (1) PS/2 Keyboard	Easier Keyboard and Mouse Installation
External Video	YES	NO	YES	
Expansion Slots				
Standard	(1) 16 Bit PC/104	(1) 16 Bit PC/104	(1) 16 Bit PC/104	
Optional	(3) 16 Bit PC/104	(3) 16 Bit PC/104	(3) 16 Bit PC/104 or (3) PCI/ISA Slots	
Cooling	CPU & Chassie Fans	Passively Cooled, No Fans	Passively Cooled, No Fans	Higher Reliability

Overview of Changes from P2 to P1-10" PowerStations

Mounting Notes:

- Units will be clip mounted.
- Thickness of enclosure cannot exceed ¼". This is thinner than the P2 PowerStation.

Power:

- P1-10" is DC powered.
- The new AC "brick" Power Supply released with the PS Series and the legacy Power Supply can be used with the P1-10".
- New Power Supply can also be used for legacy product.

Depth:

- P1-10" units are 0.3" deeper than previous P2 units.

Other:

- Logo for P1-10" units is the same logo found on PS PowerStation and Monitor products.
- P1-10" requires MachineShop release 1.04 and FlashBack Utility release 1.03 or later.

Differences between P1-10" and PS PowerStations

Processor:

- P1-10" – Pentium 166MHz MMX
- PS – Pentium 266MHz MMX

Mass Storage:

- P1-10" and PS have a standard 16MB Compact Flash in an external Compact Flash slot. The Compact Flash may be upgraded to a maximum of 128MB.
- PS includes an option for an internal hard drive, or an internal Compact Flash. The P1-10" does not provide these options.

PS Options Not Supported by P1-10"

- Optional CD-ROM
- Optional Floppy Drive
- External Video Port
- USB Ports
- PCI/ISA Expansion Slots

P2 and PS Model Number Conversion to P1-10"

P2 PowerStations	P1-10" PowerStations	PS10 PowerStations
P21-0C2-A4-1D3 Mono – 5x86	P15-044DR-3 Mono – P166	PS10-2M2-DD1-AD3 Mono – P266
P21-2C2-A4-1D3 STN – 5x86	P15-444DR-3 TFT – P166	PS10-2T2-DD1-AD3 TFT – P266
P21-3C2-A4-1D3 TFT – 5x86	P15-544DR-3 TFT – P166	PS10-2H2-DD1-AD3 TFT – P266
P21-0T2-A4-1D3 Mono – P266	P15-044DR-3 Mono – P166	PS10-2M2-DD1-AD3 Mono – P266
P21-2T2-A4-1D3 STN – P266	P15-444DR-3 TFT – P166	PS10-2T2-DD1-AD3 TFT – P266
P21-3T2-A4-1D3 TFT – P266	P15-544DR-3 TFT – P166	PS10-2H2-DD1-AD3 TFT – P266

