# PS Series PowerStations

## Match the Right Display Size with the Right Functionality...at the Right Price

CTC has taken its popular PowerStation line and enhanced it with more displays and hardware configuration options. With the new modular PS Series, you can get the hardware and software features you need at the price point you want. These PowerStations offer you more value at a very competitive price - plus you get an open platform to run advanced HMI capabilities such as recipe handling, trending or reporting. The PS Series simply gives you more options than any other operator interface solution.

The PS5 Function Key PowerStation model includes arrows for cursor control and features 40 function keys (20 plus Shift) for operators who prefer traditional function key operation. This flat-panel workstation features Interact's Core Modules (Panel Tools, Panel Alarms, Graphics and Networking Modules), and all drivers. The PS5 can run additional Interact modules; it also supports networking options.

You can literally mix and match displays, expansion capabilities, hardware configurations, and software functionality to get the right workstation for your machine. To build your custom operator interface to get the best possible solution for your application...

**1. Choose your display**
　　　　10"　　　12"　　　15"　　　No Display
**2. Choose your expansion needs**
　　　　PC/104　　　　　ISA/PCI
**3. Choose your workstation package**
- Integrated "PS" PowerStation bundled with CTC's Interact HMI software
- "PC" version workstation with Windows without Interact (See Industrial PC section)
- "RS" Remote System with Interact (or "RC" Remote Computer) that is cable-connected to a separate monitor

## RS "Remote System" PowerStation

A powerful, "RS" version PowerStation offers the performance and features of the PS Series hardware platform without an integrated display. Remote Systems can be mounted in an enclosure and cable-connected to a separate 12" or 15" Industrial Flat Panel Monitor.

## PS Series PowerStation

| Features | | Values |
|---|---|---|
| **10" Display (PS10 & PS5)** | Type | Flat Panel |
| | Monochrome/Color | Mono LCD; Color TFT |
| | Resolution | VGA (640 x 480) |
| | Screen Size | 9.4" (239 mm) Diagonal (Mono LCD) |
| | | 10.4" (264 mm) Diagonal (Color TFT) |
| **12" Display (PS1)** | Type | Flat Panel |
| | Monochrome/Color | Color TFT |
| | Resolution | SVGA (800 x 600) |
| | Screen Size | 12.1" (310 mm) Diagonal |
| **15" Display (PS15)** | Type | Flat Panel |
| | Monochrome/Color | Color TFT |
| | Resolution | XGA (1024 x 768) |
| | Screen Size | 15.1" (380 mm) Diagonal |
| **Software** | PS/RS Bundled PowerStation | Includes Interact Runtime: PTM, GMM, AMM, NET. |
| **CPU** | Pentium | (consult factory for specific processor information) |
| **System Memory** | Standard | 32 MB (minimum) |
| **Storage Memory** | Compact FLASH (Type II connectors) | 16 MB Compact FLASH (minimum), (1 external & 1 internal), (also supports MicroDrive) |
| | Floppy Disk Drive | Optional (external, surface or panel mount) |
| | Hard Drive | EIDE Interface (consult factory for HD capacity) |
| | CD ROM | Optional Super Slim CD ROM |
| **I/O Ports** | Serial | (1) RS232/422/485 |
| | | (2) RS232 |
| | Ethernet | 10/100Base-T w/RJ45 connector |
| | Parallel | (1) 25-Pin D-sub connector (supports Bi-directional SSP/SPP/ECP) |
| | Expansion Slots: | |
| | • PC/104 models | 3 PC/104 cards are supported |
| | • ISA/PCI models | 3 slots (2 ISA 1 ISA/PCI Configurable) or (2 PCI 1 ISA/PCI configurable) [Note: 1 PC/104 card is supported in this configuration] |
| | External Video | (1) Analog 15-Pin D-sub connector (supports simultaneous video mode) |
| | USB | (2) USB Ports |
| **User Interface** | Function Key | PS5 only: 40 (20 plus shift) |
| | Numeric Key | PS5 only: yes |
| | Touchscreen* | Analog Resistive (8-wire, 1024 x 1024 resolution) |
| | Keyboard Port | 1 PS/2 Keyboard port |
| | Mouse | 1 PS/2 Mouse port |
| **Package** | Designed for | NEMA 4/4X |
| | Temperature Range | 0-50 C |
| | Rel. Humidity (non-condensing) | 5-95% |
| | Vibration** | 10-500 Hz, 0.5 (RMS Random); [Compact Flash units: 10-500 Hz, 1g (RMS Random)] |
| | Shock | 10G, 11 msec (operating) |
| | | 30G, 11 msec (non-operating) |
| | Cutout Dimensions: | |
| | • 10" Display*** | 9.86" (250 mm) x 12.60" (320 mm) clip mount |
| | • 12" Display | 11.25" (286 mm) x 14.14" (359 mm) clip mount |
| | • 15" Display | 12.40" (315 mm) x 15.9" (404 mm) clip mount |
| **Power Requirements** | AC | 90-250 VAC; 50/60 Hz (external supply only) |
| | Maximum Power Consumption | 110 Watts |
| | DC | 18-28 VDC |
| | Maximum Power Consumption | 78 Watts |
| **Agency Approval** | UL,CUL,CE; Class 1 Division 2 | |

\* Not applicable to RS and RC units.
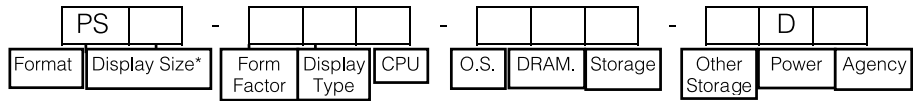\** Does not apply to MicroDrive option.
\*** PS5 dimensions not included (consult factory).

**Parker** Automation

## Ordering Information

(See MachineShop section for information about ordering development software.)

| PS | | - | | | | - | | | | - | | D | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Format | Display Size* | | Form Factor | Display Type | CPU | | O.S. | DRAM. | Storage | | Other Storage | Power | Agency |

\* Does not denote display size for PS5 models

| PS Series Common Configurations | |
|---|---|
| **Description** | **Model #** |
| 10" Mono LCD - Pentium - FLASH | PS10-2M2-DD1-AD3 |
| 10" Color TFT - Pentium - FLASH | PS10-2T2-DD1-AD3 |
| 10" Bright Color TFT - Pentium - FLASH | PS10-2H2-DD1-AD3 |
| 12" Color TFT - Pentium - FLASH | PS12-2T2-DD1-AD3 |
| 15" Color TFT - Pentium - FLASH | PS15-2T2-DD1-AD3 |

| Function Key Version (PS5) Common Configurations | |
|---|---|
| **Description** | **Model #** |
| 10" Mono LCD - Pentium - FLASH | PS51-2M1-DD1-AD3 |
| 10" Color TFT - Pentium -FLASH | PS51-2T1-DD1-AD3 |
| 10" Bright Color TFT - Pentium -FLASH | PS51-2H1-DD1-AD3 |

| RS (Remote System Version) Common Configurations | |
|---|---|
| **Description** | **Model #** |
| No Display (Remote System) - Pentium - FLASH | RS00-202-DD1-AD3 |

| Factory-Installed (or User-Installed) Hardware Accessories | |
|---|---|
| **Description** | **Model #** |
| Expansion kit: for two PC/104 cards total | COV-2000 |
| Expansion kit: for three PC/104 cards total | COV-3000 |