

Print Station for High Volume Printing

PrintStation is a hardware/software solution that works with your robotic equipment and a PC to provide disc-on-demand printing. The PrintStation consists of:

- The PCM1000 three-port printer controller installs in your robotic equipment to provide USB connections to the PrintServer PC, up to three USB printers, and a serial port for robotic control.
- PrintServer software that runs standalone on a PC:
 - Issues print jobs directly to the PrintStation
 - Controls communications between networked clients and the PrintStation.
- PrintServer utilities:
 - Diagnostic utility for use by the OEM during factory test and calibration.
 - Exerciser to aid installation setup and preventive maintenance.

The PrintStation is designed for reliable unattended operation to ensure successful completion of the print process and to gracefully handle any failure situations.

Features

- Supports multiple printers for increased production.**
- Accessible by any PublisherNET client on the network.
- Allows multiple Servers to exist on the same network. Clients simply point to the Server they wish to submit jobs to.
- An unlimited number of jobs may be queued, restricted only by the PrintServer PC's hard drive.
- Automatically processes queued jobs in order of posting.
- Jobs can be submitted from the Server without PublisherNET client software.
- Ideal to support printing in both tower and duplication production environments.
- PrintStation can be packaged without a robot for manual operation in tower and duplication applications.
- Easy integration, installation, and setup.
- Excellent technical support for your specific application.

**Production volume is dependent upon the printer and auto-loader capabilities.

PrintServer Software

PrintServer software communicates to PrintStation through a USB 2.0 port on the PrintServer PC.

PrintServer software receives count and print files from all clients throughout the network, saves them into a special job-spool folder, and moves the jobs to the PrintStation for processing. The PrintServer forwards job execution status and progress to the client on a periodic basis.

A single PC can support multiple PrintStations and multiple Servers are supported on a network. There are no arbitrary limitations on the number of clients that a given Server can handle. The number of clients that can exist is limited only by computing horsepower, hard disk space, and network bandwidth.

Administrators can examine the job queue much as they would a standard print spooler. Jobs are moved automatically to the PrintStation for processing.

The Server software has powerful test routines to verify system setup and preventive maintenance. Server software is in constant communication with the PrintStation and maintains a report of jobs as they are processed. Administrators can examine this log for troubleshooting purposes on-site, or can forward this log to technical support for analysis.

Minimum System Requirements

- Pentium-class 700+ MHz computer
- Windows Vista, Window XP Home Premium for up to 5 clients or Windows XP Professional (service pack 2 or higher) for up to 11 clients.
- 1 GB RAM memory (2GB for multiple Servers)
- 2MB graphics card
- Screen resolution 1024 x 768
- 10GB available hard disk space per PrintStation
- One USB 2.0 high speed port per PrintStation
- 100Mbps or 1GB Ethernet capability (for networked operation)
- CD ROM drive for installation

Approved Network Client Software

DiscPilot Client software from Verity Systems is PublisherNET approved. Contact Verity at www.veritysystems.com. Disc Pilot can be installed on each networked PC requiring access to the PrintStation system.

Contact us for help in developing your own client software.

PrintStation Compatibility

Printer Compatibility

PrintServer software has been tested for compatibility with the following disc printers:

Panther, Endura

Teac Disc Label Printer P-55B, P-55C

Let us know if you have a preferred printer you would like us to support.

Auto-Loaders

PrintServer software supports several varieties of auto-loader including both mechanical and vacuum pick-up styles. We can work with you to support your auto-loading equipment. Consult our factory for further details.

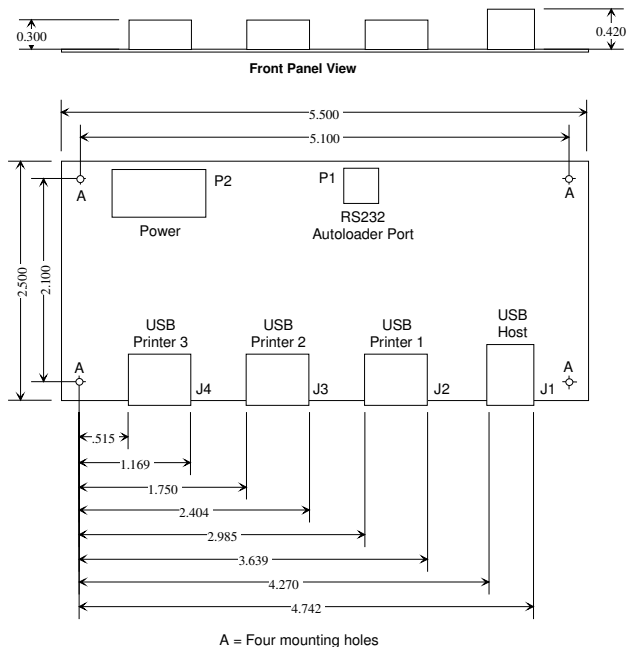
PCM1000 Controller Specifications

Interfaces

Ports on the PCM1000 controller include:

- One USB 2.0 from the PrintServer PC
- One RS232 Serial Port for Auto-loading equipment
- Three USB 2.0 Printer Ports

Physical



Controller Dimensions 5.50" L x 2.50" W x 0.5" H
(13.97cm L x 6.3 cm W x 1.3cm H)

Power Required 0.2 amps @ +5V

Connectors

Serial Port

Connector 3-pin latching header
Quantity 1
Data RS-232

Pin	Signal
1	TX
2	GND
3	RX

USB 2.0 Host Port

Connector 4-pin, USB B
Quantity 1
Data

Pin	Signal
1	VBUS (+5V)
2	Data-
3	Data+
4	GND

USB Printer Ports

Connector 4-pin, USB A
Quantity 3
Data

Pin	Signal
1	VBUS (+5V)
2	Data-
3	Data+
4	GND

DC Power

Connector Standard 4-pin power connector

Environmental

Operating Conditions

Temperature 5° to 35° C (41° to 95° F)
Relative Humidity 20% to 80% non-condensing

Storage Conditions

Temperature -40° to 66° C (-40° to 150° F)
Relative Humidity 10% to 95% non-condensing

Configuration

Printers

Up to three printers are connected to USB 2.0 ports J2-J4.

Auto-loader

Connect the auto-loader to serial port P1.

PrintServer PC

Connect the PrintServer PC to USB port J1.

Ordering Information

Controller

All PrintStation controllers are RoHS compliant.

PCM1000A **PrintStation Package.** Includes PCM1000 controller and downloadable PrintServer software. Supports one printer, additional printers are added via license key.

License Keys

A license key works only for the controller assigned to it at purchase. License keys are provided via email.

SKY0007A **Second Printer License Key.** Allows a PCM1000 to support a second printer.

SKY0008A **Third Printer License Key.** Allows a PCM1000 to support a third printer when SKY0007A is installed.

SKY0009A **Second and Third Printer License Key.** Allows a PCM1000 to support three printers.