HP Indigo Labels and Packaging powered by EskoArtwork

Site Preparation Guide

HP Indigo Labels and Packaging Server powered by EskoArtwork

Site preparation guide

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Part Number:
CA294-06210
First Edition:
February 2008

Printed in Israel.

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2 Introduction

This chapter provides the following information about preparing the site for an HP Indigo Labels and Packaging Server powered by EskoArtwork:

- Document purpose
- Configurations
- Preparing for installation

Document purpose

This document describes the necessary preparations for receiving and installing an HP Indigo Indigo Labels and Packaging Server powered by EskoArtwork system. Its purpose is to facilitate a smooth and accurate installation. HP personnel will supervise uncrating the equipment, moving it to its final site, and positioning it. HP personnel will also perform the final installation.

⚠ **WARNING:** Improper lifting may cause serious personal injury and/or damage to the equipment or other property.

Configurations

HP Indigo Labels and Packaging Server powered by EskoArtwork is available in the following hardware configurations:

- HP ProLiant ML350 Generation 5 (G5)
- HP ProLiant ML350G5 Tower

Figure 1: HP Indigo Labels and Packaging Server Unit

Preparing for installation

Before installation, an HP support team member will send you a site preparation questionnaire to gather information necessary for installation. You will need to e-mail or fax the completed questionnaire to HP support before the HP Customer Engineer can install your system. HP support will supply the correct e-mail address or fax number.

3 Planning for HP Indigo Labels and Packaging Server powered by EskoArtwork

This chapter provides information on the following topics:

- Physical dimensions
- Site facilities requirements
- Network and Internet connectivity requirements

Physical dimensions

Following are the physical dimensions of the HP Indigo Labels and Packaging Server. Use this information to help plan where to place the equipment. For this configuration, you will also need a table nearby that can hold the monitor, keyboard, and mouse.

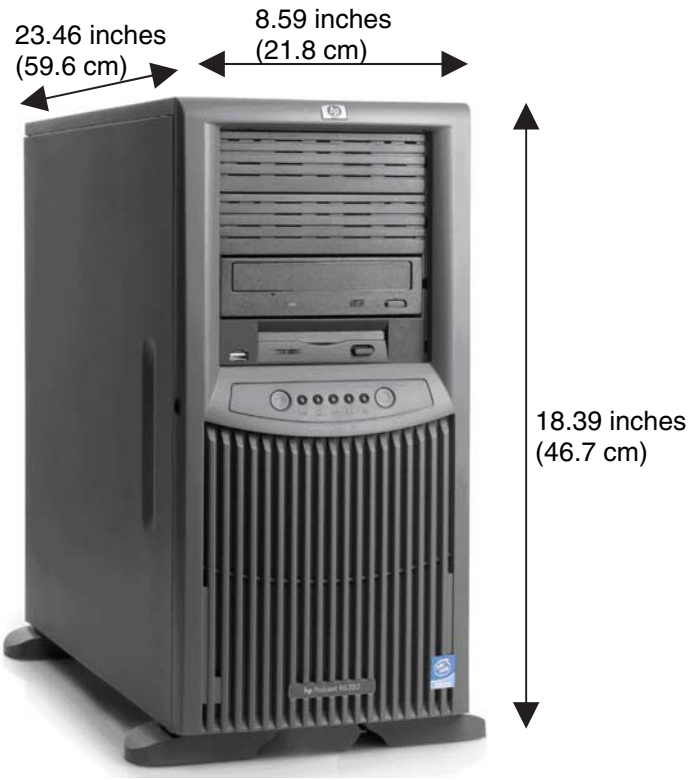

Figure 2: HP Indigo Production Manager Tower Unit dimensions

	Imperial	Metric
Height	**18.39 inches**	**46.7 cm**
Width	**8.59 inches**	**21.8 cm**
Depth	**23.46 inches**	**59.6 cm**
Weight	**50-67 lbs***	**22.7 – 30.4 kg***

* Shows minimum and maximum weights depending on options selected.

Site facilities requirements

This section outlines the environmental, space, and power requirements for HP Indigo Labels and Packaging Server systems. Meeting these requirements ensures optimum performance with minimum maintenance of HP Indigo Production Manager equipment.

For the safe and reliable operation of the equipment, locate the system in a well ventilated, climate-controlled environment.

Temperature

The recommended ambient temperature range where the equipment is located should be between 5 degrees to 35 degrees C (41 degrees to 95 degrees F).

NOTE: Decrease the maximum operating temperature by 1 degree C (1.8 degree F) for each 300-meter (1,000 ft) increase in altitude, up to 3,000 meters (10,000 ft).

Humidity

The recommended humidity range where the equipment is located should be between 5% and 95% RH (non-condensing). For storage conditions, the humidity should be between 5% and 95% RH.

Space

The server hardware draws in cool air through the front and exhausts warm air through the back. Leave at least a 7.6 cm (3-inch) clearance space at the front and back of the server hardware to allow for adequate ventilation. Do not block the ventilation apertures.

Workspace from the computer to the keyboard - 2'x2' if no color management.

If have Spectrophotometer a LEVEL table must be provided. (2'x4' work space)

BTU emission

The server hardware emits 3,420 BTU/hour.

Power requirements

Max Input Requirements (per power supply)	Rated Line Voltage	100 VAC, 120 VAC 200 - 240 VAC
	Rated Input Current	10A (at 100 VAC) 9A (at 120 VAC) 6.1A (at 200 VAC)
	Rated Input Frequency	50 to 60 Hz
	Rated Input Power	980W (at 100 VAC) 1035W (at 120 VAC) 1170W (at 240 VAC)
BTU Rating	BTU/HR	3350 BTU/hr (at 100 VAC) 3530 BTU/hr (at 120 VAC) 3990 BTU/hr (at 240 VAC)
Power Specifications	To review typical system power ratings use the Power Calculator which is available via the online tool located at URL: http://h30099.www3.hp.com/configurator/calc/Power%20Calculator%20Catalog.xls - Click on the system of interest, for example: ML350 G5 - Follow the instructions on the screen.	
Power Supply Output (per power supply)	Rated Steady-State Power	800 W (at 100 VAC) 850 W (at 120 VAC) 1000 W (at 200-240 VAC)
	Maximum Peak Power	800 W (at 100 VAC) 850 W (at 120 VAC) 1000 W (at 200-240 VAC)

Network drop & cable 3 power outlets (can use a power strip)..

Wiring and grounding requirements

In North America, National Electrical Regulations governing the installation of building wiring require that cable meeting fire-safety standards be used any time cabling is routed in any of the following ways:

- Through an overhead drop-ceiling
- Under a computer room's raised flooring
- From room to room
- From floor to floor

Ensure that the cable jacket, or sleeve, is made of material that does not burn easily and does not emit toxic fumes when exposed to heat.

In the United States, the server hardware must be installed in accordance with NFPA 70-1999 (National Electric Code), Article 250. The installation must also comply with any local building codes.

In Canada, the equipment must be installed in accordance with Canadian Standards Association, CSA C22.1, Canadian Electrical Code.

In all other countries/regions, the installation must follow any local or national electrical wiring codes, such as the International Electrotechnical Commission (IEC) 364, parts 1 through 7.

Grounding

For proper operation and safety, the server equipment must be properly grounded. All power distribution devices, branch wiring, and receptacles used with the server hardware must be listed as grounding-type devices. When using power strips for electrical distribution, make sure that each connection is grounded properly. Plug components into reliably grounded outlets.

⚠ **WARNING:** To reduce the risk of electric shock or damage to your equipment, do not disable the power cord grounding feature. This equipment is designed to be connected to a grounded power outlet that is easily accessible and located as close as possible to the equipment. The grounding plug is an important safety feature.

Grounding and earth leakage current

Because of the high ground-leakage currents associated with multiple servers connected to the same power source, a reliable grounded connection is essential before applying power to server hardware. Use a power distribution unit (PDU) that is either permanently wired to your building's branch circuit or is provided with a nondetachable cord that is wired to an industrial style plug. NEMA locking-style plugs or those complying with IEC 60309 are considered suitable for this purpose. HP discourages using common power outlet strips for this equipment.

Observe the following limits when connecting the product to AC power distribution devices:

- For UPS products and PDUs that have permanently attached AC power cords or are directly wired to the building power, the total combined leakage current should not exceed 5 percent of the total rated input current.
- For UPS products and PDUs that have detachable AC power cords, the total combined leakage current should not exceed 3.5 mA per PDU or UPS.

Network and Internet connectivity requirements

Prior to receiving shipment, please ensure that the following HP Indigo Labels and Packaging Server powered by EskoArtwork network requirements are in place:

- **Internet connection**: HP Indigo HP Indigo Labels and Packaging Server powered by EskoArtwork requires a broadband Internet connection with a minimum upload and download speed of 256 kbps (512 kbps or better is recommended.)
- **Network type**: HP recommends using at least a 100Base-T Ethernet network for the server.
- **Network connections**: An RJ-45 network connector is required to attach to the server hardware. HP recommends that you use a CAT-5e or better copper-based network cable. Access to the press must available through the network.
- **IP address**: HP Indigo HP Indigo Labels and Packaging Server powered by EskoArtwork requires the server to have a static IP address or an IP address assigned through DHCP with a permanent lease.

HP remote configuration and support tool

An integral component of the HP Indigo HP Indigo Labels and Packaging Server powered by EskoArtwork system is that support is provided remotely by HP support. In order to receive this support, your server must be able to connect directly to the Internet. An Internet connection through a PC on the network is not sufficient.

The remote configuration and support tool uses an Internet-based application that allows HP support to see what is displayed on your computer screen. HP support can share mouse and keyboard control with you. The remote configuration and support tool requires no permanent

software installation for customers. It can be downloaded quickly from the Internet and is compatible with most firewalls. Your connection is fully encrypted, so your information is secure.

When you need remote support, go to http://www.hp.com/go/indigoassist

4 Installation overview

This chapter summarizes the process Hewlett-Packard uses for installing an HP Indigo HP Indigo Labels and Packaging Server powered by EskoArtwork system at your site. Use this information to prepare the necessary facilities and personnel for the installation.

Before installation

HP uses information you supply about your site to configure your HP Indigo HP Indigo Labels and Packaging Server powered by EskoArtwork system. HP support will send you an electronic version of the site preparation questionnaire found in Chapter 5 of this document. Before installation can proceed, you must complete the questionnaire and send it via e-mail or fax to HP support.

During installation

Once the HP Indigo Production Manager equipment is delivered, an HP Customer Engineer completes the installation process. The installation includes the following main tasks:

- Confirm that the shipment contains all necessary items.
- Move the HP Indigo Labels and Packaging Server powered by EskoArtwork hardware to its final site.
- Unpack and position the hardware.
- Turn the system on.
- Initialize the operating system, using information from the Site Preparation Questionnaire to configure site-specific parameters.
- Verify that all network connections are successfully established.
- HP Indigo support will connect to the customer site to do the installation at the customer site.

5 Site preparation questionnaire

This questionnaire is intended to help the HP Customer Engineer (CE) prepare to install an HP Indigo Labels and Packaging Server powered by EskoArtwork system at a customer's site. Questions are grouped according to the following topics:

- Company and contact information
- Network environment
- Dongle number

Company and contact information

Company information

Company name: _____

Installation street address: _____

_____

Zip/postal code: _____

Country/region: _____

Main phone number: _____

Configuration to be installed (Circle one):

- CD764A HP Indigo Labels and Packaging Server powered by EskoArtwork
- CD765A HP Indigo Labels and Packaging Server Color kit powered by EskoArtwork
- CD766A HP Indigo Labels and Packaging Server VDP Tool powered by EskoArtwork

Contact information

Primary contact information

Name: _____

Job title or role: _____

Phone number: _____

e-mail address: _____

Secondary contact information

Name: _____

Job title or role: _____

Phone number: _____

Email address: _____

Network environment

General information

Do you have a workgroup or domain (Circle one): Workgroup Domain

What is the workgroup/domain name: _____

Note: HP recommends using the same workgroup as the HP Indigo Press.

What name will you use for the HP Indigo Labels and Packaging Server powered by EskoArtwork? _____

If this is a domain, the network administrator must be present during installation to add the system to the domain.

Desktop information streaming

Do you grant permission for HP to use remote configuration and support?

Yes No

Dongle Number

The HP Indigo Labels and Packaging Server powered by EskoArtwork dongle number is locate on the side of this dongle.

Record it here: _____

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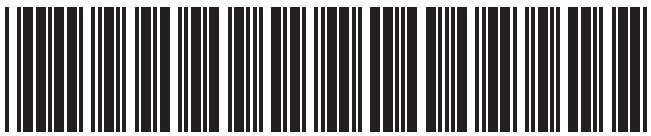

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