LCP01 Color Printer

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**Now Color Prints Better
Than the Graphics
on Your Screen**

Let Your Whole Office Make Presentation-Quality Color Prints

Digital's LCP01 is more than just another ink–jet color printer. It's an intelligent printing system that processes display files to deliver prints that are sharper and clearer than the graphics on your screen.

Integral graphics processing means your host system doesn't have to format data. Your terminal isn't tied up driving a single-user printer. Several users can prepare graphics at their own terminals and print brilliant color copies on the LCP01 while the CPU runs other applications. In a busy office, that's a definite cost-saving advantage.

The LCP01 delivers 154 dots per inch resolution coupled with 216 color choices. It is all the printer you need to add power and punch to your business presentations. And the LCP01 offers flexibility not found in most copiers. Your staff can choose from up to five different fonts stored in the LCP01, mixing and matching sizes, style, and color for emphasis and variety.

No other color printing system completes your office graphics capabilities like the LCP01. It works with Digital's VAX, PDP-11, and Professional 350 computers. It's compatible with our DECslide, DECgraph, DATATRIEVE, and VTX office software as well as third-party packages based on ReGIS, GIDIS, NAPLPS, or Color Sixel protocols.

Highlights

- Serial line interface, shared-resource printer
- 154 dots per inch resolution
- Eight true colors (yellow, magenta, cyan, red, blue, green, black and white) in up to 216 combinations and shades
- Automatic sheet–fed paper copy or transparencies
- ReGIS, GIDIS, NAPLPS, and Color Sixel display file processing
- Downline loadable character fonts and software
- Text and graphics in portrait and landscape mode
- Graphics images scaled to printer coordinates
- Full page buffer memory and self–test diagnostics

A Decision More Important Than Your Choice of a Color Terminal

When you choose a color printer, you want one that will produce clear, crisp prints with brilliant, uniform color. You'll look for smooth diagonal lines and sharp color junctions. For presentations you'll want copies that improve what you see on your screen. And you'll search for a printer that's fast, quiet, and easy to use.

Digital's LCP01 offers all this—and more. Onboard intelligence that offloads the host and reduces office overhead. A printer the whole office can share while the CPU performs other tasks. A unit that's software- and terminal-independent yet still delivers high-resolution prints in just minutes.

Copies More Convincing Than the Graphics on Your Screen

Effective business communication depends on having more than accurate up-to-date information. Whether you bind graphics or reproduce them on transparencies, image quality affects the way information is received and valued. The better your graphics presentations, the more likely your analyses, recommendations, and proposals will succeed.

Digital's LCP01 is a color printer for professionals who are serious about their business, managers who don't want to be limited to the quality of graphics they see on their screens. The LCP01 provides up to 1536 by 1152 dots in an A-size image. That's near letter-quality copy, and the resolution you need to create brilliant, professional-looking hardcopy and transparencies.

You're not limited to the quality of graphics you see on your screen, either. You can use a low-resolution terminal to generate and review graphics, then print them more crisply and clearly on the LCP01. Its onboard graphics processor smoothes stairsteps in diagonal lines, sharpens jagged characters, and improves definition between colors. All the graphics copies from your office will be uniform, regardless of who generates them.

The LCP01 outputs brilliant pie charts and sharply-stepped bar and line graphs approximately every 2 minutes. It feeds, processes, and stacks 100 sheets of paper or 50 transparencies so quietly that the whole office will largely be unaware that the printer is operating.

Because you issue print commands from your terminal, your secretary won't have to leave the work area to help you prepare visuals. The LCP01 fits in any office. Nor will secretaries wonder if ink is getting low. An LED indicates when the LCP01's 200 cc cartridges, which print approximately 4000 copies, need to be changed.

A Shared Office Resource That Increases Flexibility and Reduces Overhead

At Digital, we are dedicated to shared-resource computing—from the computer room to the office.

When the typical office had only one color terminal and just a few graphics applications, inexpensive dedicated printers made sense. But now when color terminals are expected to replace black-and-white units in 85 percent of graphics applications, shared-resource printers are more economical.

That's why we designed a complete printing system, not just a copier. The LCP01 performs its own display file processing, decreasing printing time. More important, it doesn't tie up your CPU. It's free to process other office applications while the LCP01 is printing.

Onboard graphics processing also means greater printing flexibility. The LCP01's local memory holds up to five different fonts, letting users experiment with type size and style. They can scale graphics up or down with equal ease. And most important, they are not limited in their choice of graphics software. The LCP01 supports REGIS, NAPLPS, GIDIS, and Color Sixel formatted data. You can choose from a wide selection of Digital and third-party software, and because the LCP01 is expandable to future formats and graphic protocols, your investment will be protected.

Reduced system overhead, printing flexibility, software and terminal independence—these are the features that make the LCP01 a unique and cost-effective choice for your office.

Complete Your Office Graphics Capabilities

The LCP01 color graphics printer, like all Digital hardware and software products, is engineered to work within the Digital style of computing. This means an office graphics system you can integrate easily and expand economically.
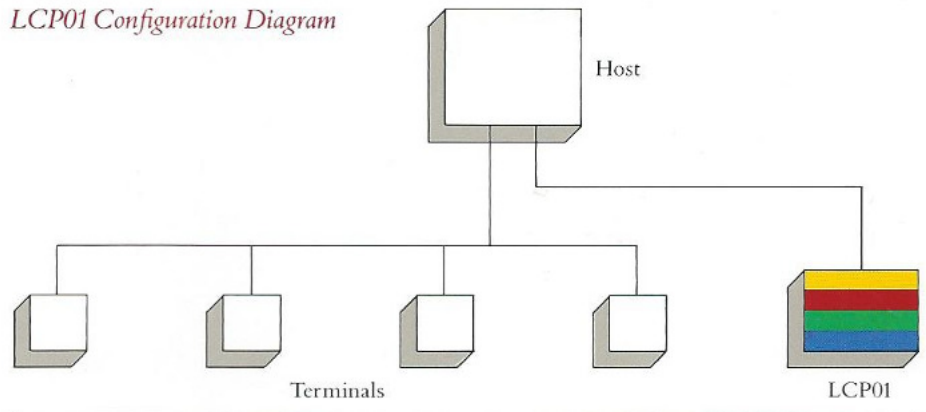
With its onboard graphics processor, the LCP01 easily meets the economy objectives of any office. No other printer can produce such sharp graphics and so effectively reduces CPU overhead *at the same time*.

Easy expansion is possible because the LCP01 is an integral element in Digital's office architecture. It works with all of our CPUs and our VT100/125 and VT240/241 terminals. And it's compatible with all of the office information and graphics software products Digital offers to improve business communication and productivity.

Chief among them is VAX DECgraph, an interactive business graphing tool that generates six different types of graphs for presentations, reports, and decision support. By combining it with VAX DECslide, a menu-driven text and diagram-generating tool, you have a comprehensive business presentation services package.

Other graphics packages that are part of Digital's information architecture include DATATRIEVE, which helps you find and format data in your files, and VAX VTX, a fully integrated videotex product that interactively updates and retrieves information from local or distributed information databases.

LCP01 Configuration Diagram

Host

Terminals

LCP01

Of course the LCP01 can also act as a convenient, efficient business tool in non-Digital office environments. Its ability to process ReGIS, NAPLPS, GIDIS, and Color Sixel protocols means most third-party graphics packages are supported as well.

Reliable Hardware and Easy Operation

Your own office staff can easily operate the LCP01 color printing system. It handles heavy daily use, sitting out of the way almost any place in your office. Self-test diagnostics check to see that the printer and graphics processor are operating properly, and a simple toggle lets you switch from paper copy to transparencies.

Reliable ink-jet heads are sealed when not in use and purged and washed periodically to prevent air bubbles and ink buildup. LEDs on the control panel alert you when ink is low. Replacement cartridges remain sealed until you insert them into the printer.

You can use the LCP01 with RS232C, RS422 or 20mA serial line interfaces. The LCP01's print controller manages both text and graphics data. And because the LCP01 printer has sufficient memory for complete buffering of the print page, no additional memory resources are required for its operation. Even small systems with limited resources can use the LCP01, since system memory is required only for print spool operation under control of the operating system.

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Mechanical

Height	21.6 cm (8.5 in)
Width	61.0 cm (24.0 in)
Depth	61.6 cm (24.25 in)
Net Weight Printer	31.8 kg (70 lbs)
Net Weight Controller	11.7 kg (26 lbs)

Electrical

AC input power	120/240 Vac
Input line frequency	50 or 60 Hz
Power consumption	600 W (maximum)
System interfaces	RS232C, RS422, and 20mA

Environmental

Operating temperature	15-35 °C (59-95 °F)
Relative humidity	15-85%
Noise	Less than 58 dBA

Graphics

Protocols	REGIS, NAPLPS, GIDIS, and Color Sixel formatted data
Print resolution	154 dots/in
Image size	A size (7.5 x 9.95 in) or A4 size (7.27-9.95 in)
Print image resolution	1536 x 1152 dots (maximum)
Print colors	Yellow, magenta, cyan, red, green, blue, black, and white
Print shades	216
Print rate	Approximately 2 minutes/copy
Ink cartridge capacity	200 ml (6.8 oz)
Maintenance supply capacity	250 ml (8.5 oz)
Maintenance drain capacity	350 ml (11.9 oz)
Diagnostics	Self-test, VAX-11 Level IIR, and PDP-11 XXDP+

For more information about the LCP01 contact your local Digital sales office or, from within the continental United States, call 800-832-6277.

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