

Model LS-120



The Next Generation Standard Floppy



DESCRIPTION

The LS-120 was designed to replace the floppy disk drive. While its outward appearance is almost indistinguishable from that of its floppy technology counterpart, the LS-120 achieves 120MB of storage when used with LS-120 media. At the same time, the LS-120 is downward compatible with current 3.5-inch floppy disk technology. It can read and write to both 720KB and 1.44MB diskettes, providing an upward migration path for millions of personal computer users and the billions of diskettes they own.

As its name indicates, the LS-120 can be used as a bootable drive in any system in which it is installed. Extensive development has optimized the device for internal use as an integral system component. It was designed to be the ideal form, fit and function replacement for the floppy disk drive. The LS-120 is an advanced technology product, yet so familiar you already know how to use it. Both Windows 95 and Windows NT operating systems have now been updated to recognize the LS-120 as a bootable drive in both 120MB and 1.44MB mode. Unlike alternative technologies, the compact LS-120 meets current industry standards established for floppy

SPECIFICATIONS

Drive data capacity

120 Mb, 1.44Mb, 720Kb

Form Factor

Internal 3.5" Half Height

Connection type

ATAPI / IDE Pin

Face plate color

BEIGE

Dimensions

101.6 x 25.4 x 150mm

Weight

1.1 lbs.

FEATURES

- **80 Times The Capacity of 1.44 MB Floppy Drives**
- **5 Times The Speed of 1.44mb Floppy Drives**
- **Up to 120mb Formatted Capacity Using LS-120 Media**
- **Reads and Writes 1.44mb HD and 720kb**
- **Industry Standard ATAPI IDE Interface System**
- **Same Size as a Standard Floppy Drive**

disk drive and floppy diskette form factors. It can be easily configured for use in standard PC drive bays.

The low average power consumption of 1.5 watts, wide operating temperature range and the durability of LS-120 media make the LS-120 ideal for internal installation. LS-120 technology evolved from conventional floppy, hard disk and CD-ROM technology and uses many of the readily available components found in these products. Like its floppy disk drive predecessor, the technology relies on magnetic data tracks for read/write functions. However, an optical system is used to precisely position a dual gap head and enables 2,490 data tracks per inch (tpi) and 120MB of data storage. In comparison, conventional floppy technology uses 135 tpi for 1.44MB. The dual-gap head allows the LS-120 drive to read and write to conventional floppy diskettes as well as 120MB LS-120 diskettes (The LS-120 is also downward compatible with 1.2MB floppy formats from NEC and Toshiba).

In addition to providing higher capacity, the LS-120 differs from the common floppy disk drive in other ways. It's faster, smarter, more reliable and is easier to incorporate because it uses the same cable as the hard disk drive.

ORDERING GUIDE

Model LS-120

3.5" Drive 1.44MB, 720KB, 120MB

Model LS120DISK

LS-120 3.5" 120MB single pack



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