

11th Annual Awards

2006

**BERTL's
BEST**



Best Executive Office Monochrome MFP **Lexmark X646dte**

C-class executives demand efficiency with minimum unforced downtime impacting their day. The nature of their work also requires heightened document security and confidentiality. These two factors are critical when assessing executive office devices. The Lexmark X646dte exhibits extensive, user-friendly capabilities across all disciplines earning a coveted 2006 BERTL's Best Executive Office Monochrome MFP Award.

2006

The Lexmark X646dte is the latest in an ever-more impressive array of Lexmark MFP products. Lexmark's MFPs have come a long way since they first introduced MFP modules in the 1990s. The company has built on its strengths and learned from its mistakes. It now has MFP functionality that stands up to any competitor and a price point that makes many other manufacturers blush.

It is this combination of functionality, ease of use, and aggressive pricing that makes the Lexmark X646dte such an attractive proposition as an executive office document production and distribution solution.

Out of the box, the Lexmark X646dte comes with copy, print, scan, and fax functionality. The device is powered by an impressive 533MHz processor and a 50 ppm monochrome engine capable of true 1200x1200 dpi output and with a 8.5 second first page out speed.

The device can handle media up to legal size, and can be equipped with up to a 3,100 sheet supply.

Maintaining a compact footprint, paper output is directed to the 500-sheet output area located directly between the engine and scanner units.

Network and administration capabilities are extensive with a wide range of connectivity options—internal Gigabit Ethernet, 802.11g and Fiber 100Basefx—plus the award-winning MarkVision Professional device management suite driving control from the desktop.

Walk-up functionality is a strong feature on the device, and a critical component when considering the time demands of the likely user. The device comes with a large, tilting, and full-color touch screen interface with a user-friendly interface that even first time users could navigate with ease.

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Best Executive Office Monochrome MFP | Lexmark X646dte

While open architecture may be the hot topic of conversation in the MFP world right now, Lexmark is now several generations into its own open architecture MFP interface letting users completely customize the walk-up experience. By creating one-touch buttons on the home page, busy C-class executives can carry out entire workflow processes in seconds.

Lexmark also has introduced a new Embedded Solutions Framework (eSF), a platform that allows for the development of Java-based applications directly on Lexmark MFPs enabling a whole new level of workflow solutions to be addressed.

Security is of paramount importance to the executive office device and Lexmark is at the cutting edge. Advanced user authentication is standard to LDAP, NTLM, and NDS databases using SSL, Kerberos, and MD5 secure communication. The devices also feature encrypted print file submission, IPsec, SNMPv3, IP and port access control, and much more.

Both PCL and PostScript are standard. The common design theme between the PDLs ensures that users are able to switch between the modes without interruption or confusion.

In addition to the day-to-day print functionality, Lexmark also includes some innovative advanced printing capabilities for those looking to take technology and efficiency to a new level. ImageQuick Web and FTP bookmark pull printing on-demand capability allows Lexmark X646dte users to set up automated printing of important information at set times.

Direct PDF printing is also included as standard, supporting PDF1.5 while some competitors are still languishing on PDF 1.4. Direct PDF printing allows users to route PDF files straight to the device without having to open the file or rip the file into PCL or PostScript.

This advanced file submission capability is not limited to the desktop. The device also includes a USB flash port that allows users to simply plug in a USB memory stick, browse to the files they want printed (if the file type is supported), and print as many copies as required without ever connecting a PC or laptop.

Scan functionality is a major selling point for the Lexmark X646dte. While the engine may be limited to monochrome, the scanner is capable of full color data capture, converting hard copy documents into full color or monochrome PDF, TIFF, or JPEG multi-page or single-page files.



The scanner provides full-color data capture. Hard copy documents can be converted in color or monochrome PDF, TIFF, or JPEG multi-page or single-page files.

Standard scan functionality includes TWAIN, ad-hoc scan to SMB profiling from the desktop, scan to FTP, and scan to email out of the box. For those looking for greater functionality, Lexmark Document Distributor can be added into the mix allowing users to create integrated solutions working at an API level with back end systems such as document management applications, form processing applications, OCR/OMR engines, etc.

Fax capabilities—either via standard analog fax or network fax transmission—finish off the document handling portfolio, making the Lexmark X646 complete all around that will satisfy the needs of the most demanding C-class executive, worthy of its status as a 2006 BERTL Best award winner.

Spotlight on Lexmark

Since its inception as a spin off from IBM in 1991, Lexmark has grown to become a \$4.4 billion company. The company reported 12 percent annual revenue growth over the last five years alone. The company maintains a presence in over 150 countries and is still growing.

Lexmark initially grabbed the market's attention with the launch of the first 4,800 x 1,200 dpi and 3,600 x 1,200 dpi resolution laser and inkjet printers on the market, as well as its introduction of stand-alone printers and inkjet printers sold for under \$100.

In 1994, the company introduced its MarkVision network management software, widely considered the best of its kind at the time and still an integral part of the Lexmark product strategy. Unlike some of its competitors, Lexmark develops and owns the technology inside its products, allowing its product line the benefit of less research and development time before the introduction of new products.

Since 1991, Lexmark and its products have earned close to 2,000 awards and industry accolades across the globe.

As a member of the Energy Star Program, Lexmark is a concerned champion for a healthy environment. The company has ensured that all its printers are Energy Star qualified, and provides less packaging around its products. Lexmark was also one of the first printer manufacturers to incorporate energy-saving modes into the printers in its product line.

The company also supports Section 508 Disability Act regulations. For example, the company has made certain that all operating panels are located no further than 24 inches from the front of its machines.

BERTL's Best Office Awards

Recognizing the Best in Digital Imaging Technology and Innovation

For 11 consecutive years, BERTL has recognized the best devices and software in the digital imaging marketplace with BERTL's Best awards. Winners are selected after rigorous analysis of the hundreds of digital imaging devices, software, and management utilities in the world-wide marketplace.

This year, the awards are presented in three segments.

Office Awards	Spring, 2006
Software and Solutions Awards	Dates to be announced
Production Awards	Dates to be announced

BERTL's Best Office awards honor digital imaging and document management solutions for business offices of all sizes and vertical sectors. Imaging solutions covered by these office awards include:

Digital Duplicators	General Office Monochrome
Executive Office MFPs	Innovation Awards
General Office Color	Software and Utilities

BERTL's analysts review current product lines and new product introductions to identify the select group of devices and software that stand apart from the others.

Overall business process value is the key consideration in judging which product is BERTL's Best. BERTL analysts take the role of the end user and ask: "How well does this product work in my real-world business setting?"

BERTL combines its wide-ranging knowledge of the competitive landscape and contact with buyers about their product and supplier experiences to identify worthy products. BERTL analyzes network management utilities, concurrency and contention, print and copy productivity, image quality, return on investment, competitive advantage, accessibility, design and build quality, standard functions, modularity of design and upgrade path, installation, and more.

BERTL is 100 percent independent. It receives no funding from the industry and all product evaluations and reports are published at BERTL's own expense for its subscribers.

BERTL publishes the world's largest library of business competitive intelligence for the digital imaging market at www.BERTL.com.