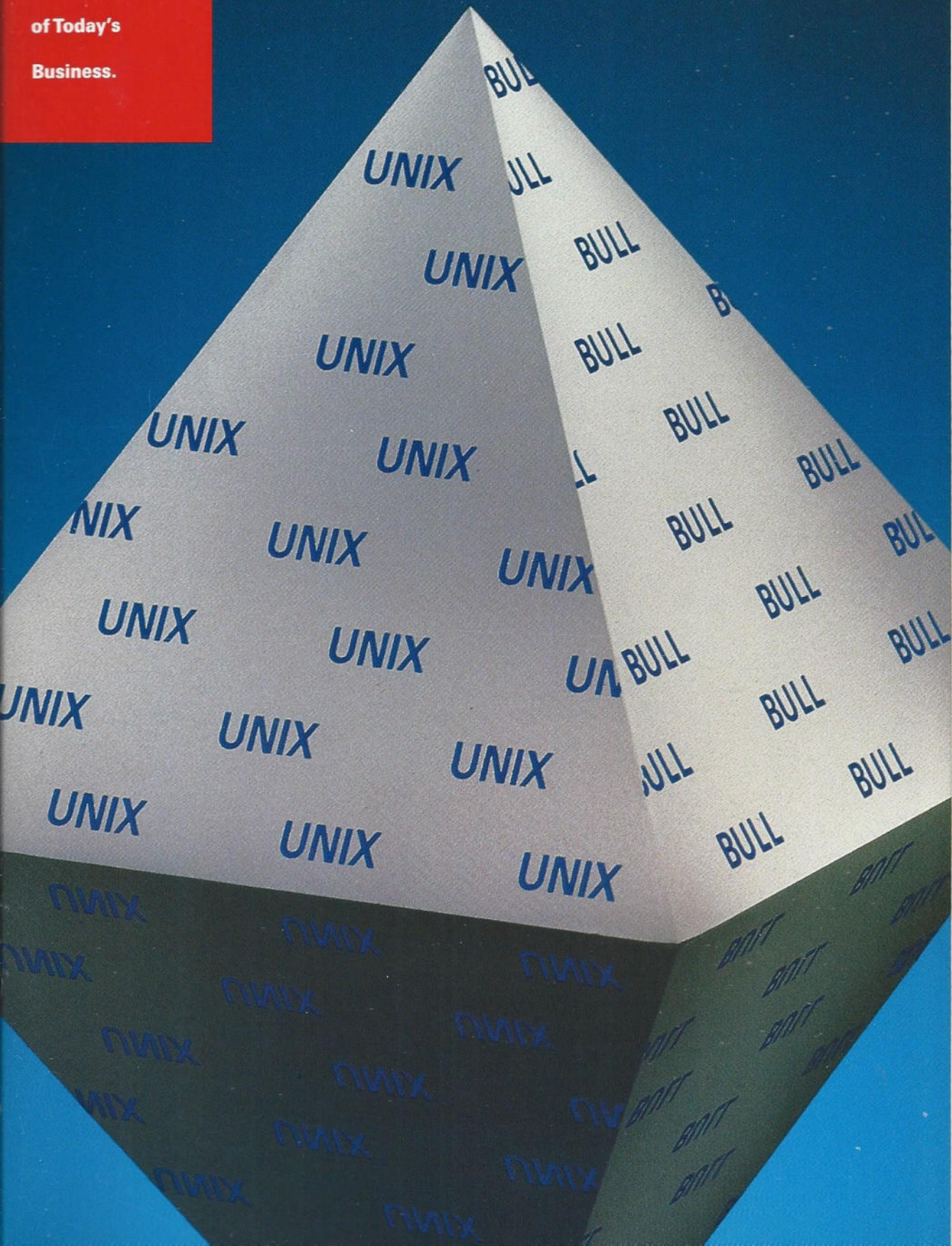


**The Bull  
DPX/2 Systems.  
Reflecting  
the Needs  
of Today's  
Business.**



Worldwide  
Information  
Systems





**Bull DPX/2.  
Open Systems  
with Unlimited  
Possibilities.**

**OPEN SYSTEMS FOR ORGANIZATIONS OF  
ALL SHAPES AND SIZES.**

Today's marketplace demands computers that are as flexible and responsive as the businesses they serve. Systems that conform to any business environment, whatever the size. Systems that can take advantage of the largest collection of business applications in the world—a collec-

- The 300 Family—Growth-oriented, high-performance, mid-range systems providing Motorola-based multiprocessor technology in multiuser environments
- The 500 Family—Advanced performance systems featuring innovative RISC-based technology.



tion that's growing every day. Systems that adapt. Bull DPX/2 systems.

DPX/2 systems run in a UNIX\* operating environment and are built around state-of-the-art processor technologies:

- The 100 Family—Entry-level desktop systems offering Intel micro-processor-based technologies and capable of supporting UNIX, XENIX, and MS-DOS applications
- The 200 Family—Compact mid-range systems providing Motorola-based technology at an affordable price

With the Bull DPX/2 systems, we've combined the flexibility of a UNIX open systems environment with the power of multifunctional, multiuser hardware. Users can make the most of today's processing options while planning for the growth and technology of tomorrow.

The DPX/2 full range of products... from desktop to enterprise... your solution to open systems processing.

**PUT THE BOS TO WORK FOR YOU.**

The operating environment for the DPX/2 Families is Bull Open Software (BOS), a Bull-enhanced version of AT&T's UNIX System V. To meet the individual requirements of each DPX/2 Family, Bull offers three distinct versions of BOS: BOS/X86 for the 100 Family, BOS/68K for the 200/300 Families, and BOS/RISC for the 500 Family.

BOS provides a variety of capabilities and features including:

- Conformance to X/Open, POSIX, and SVID standards
- Bull's own multiprocessing architecture
- Support of all major communication and networking protocols, including IBM, ISO, LAN protocols, and UNIX standard protocols
- Optional C-2 level of security
- High availability through disk mirroring features

- Relational data base solutions, including ORACLE,\* UNIFY,\* and INFORMIX
- User interface products such as Bull/Motif and X windows
- A full range of programming languages, including ANSI 85 COBOL, FORTRAN, Pascal, UNIBOL RPG/II, BASIC, and C
- Office automation and productivity tools
- The latest SQL-based application generators

With built-in instructional and operational tools (such as a user-friendly menu interface), BOS provides an easy way to learn UNIX commands and access UNIX functions.

**The DPX/2 product line offers a full range of UNIX capabilities through four multifunctional families.**





**DPX/2 100 FAMILY:  
DESKTOP SOLUTIONS.**



**Big on flexibility and low on price, the DPX/2 100 Family is capable of operating UNIX, XENIX, and MS-DOS applications.**

Small enough to fit on a desktop, the DPX/2 100 Family is big on flexibility and low on price. The Family includes two models, the Model 110 and the Micral 600/ix, both capable of operating UNIX, XENIX, and MS-DOS applications. Fully exploiting the potential of 32-bit Intel microprocessors, the Model 110 uses the 80386SX processor, the Micral 600/ix the 80386. The Model 110 is optimized for up to four users. The Micral 600/ix, capable of supporting up to eight concurrent users, is ideally configured as a high-performance desktop workstation or as a small departmental server.

The operating system for the DPX/2 100 Family is BOS/X86, a Bull derivative of AT&T's UNIX System V. Not only can you enjoy the rich application libraries available for UNIX or XENIX platforms, you can continue to utilize popular off-the-shelf MS-DOS products. In addition, the DPX/2 100 Family is engineered for ease-of-use and features a variety of expansion options.

**DPX/2 200 AND 300 FAMILIES:  
YOUR GROWTH INSURANCE POLICY.**

Bull's multiprocessing architecture and Motorola's 68030 and 68040 high-performance processing technology team up to provide the industry's most powerful, most expandable, and most upgradeable mid-range UNIX systems—the DPX/2 200 and 300 Families. These products stress price-effectiveness and performance excellence while providing insurance for future growth.

The operating system for the DPX/2 200 and 300 Families is BOS/68K, a Bull-enhanced version of AT&T's UNIX System V. As such, it extends the flexibility of UNIX processing through multiprocessing, optimum networking, performance, and functionality.



**Powerful performance in a compact package, the DPX/2 200 Family offers a cost-effective entry to mid-range UNIX processing.**

#### THE DPX/2 200 FAMILY.

The DPX/2 200 Family is an economical entry point to mid-range UNIX processing. Offering powerful performance in a compact package, DPX/2 200 systems can operate as small departmental processors, workgroup servers, and all-purpose systems for small and large companies.

Supporting from 8 to 32 active users, DPX/2 200 Model 210 and 220 systems can be expanded with a variety of mass storage and connection options. The systems are designed around a single, versatile central processor that provides a high level of system integration and a wide range of configuration possibilities. Extensive communication capabilities allow private and public networks links, with operation in Local or Wide Area Networks.

#### THE DPX/2 300 FAMILY.

The DPX/2 300 Family comprises powerful, multiprocessor systems with impressive multifunctional, expansion, and upgrade capabilities.

Allowing smooth, easy growth, the DPX/2 300 systems match the needs of large departments, medium-sized companies, or multiple sites within a large organization. This general-purpose family consists of the Model 320, which includes single or dual Motorola 68030 processors, up to 144 MB of memory, and power for up to 96 active users.

The Model 340 allows a maximum configuration of four Motorola 68030 processors, 288 MB of memory, and support of 256 active users.

For even greater speed and processing performance users can select the Model 360. This model can be configured with up to four high-performance Motorola 68040 processors, up to 576 MB of memory, and can support over 500 users.

In addition, easy-to-install processor upgrade kits allow smooth upward migration from Model 320 to 340 to 360.



**DPX/2 300 systems match the needs of large departments, medium-sized companies, or multiple sites within a large organization.**



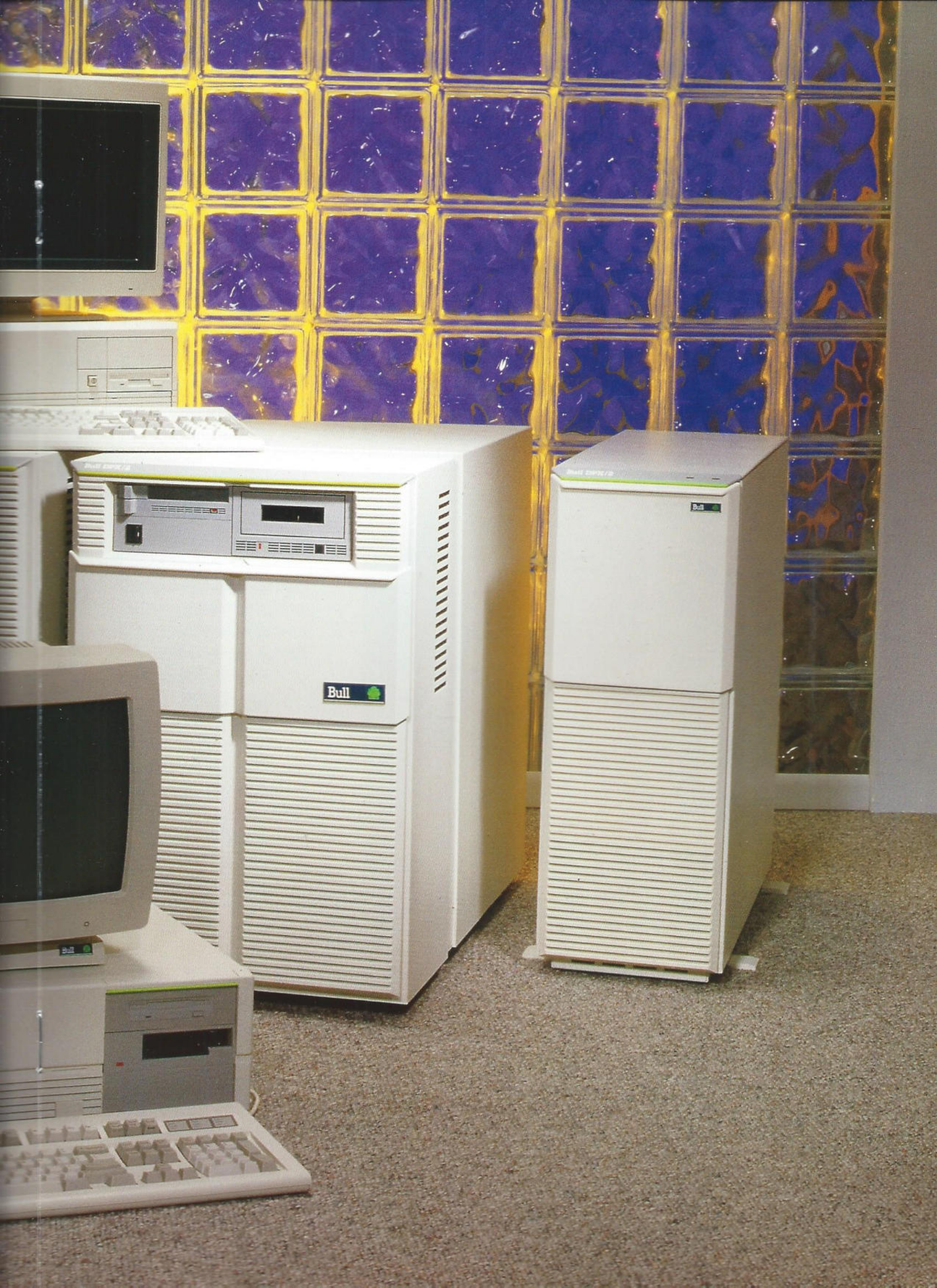
### THE DPX/2 SYSTEMS

	Model 110	Micral 600/ix	Model 210	Model 220	Model 320	Model 340	Model 360	Model 510
<b>Microprocessor</b>	Intel 80386SX	Intel 80386	M68030	M68030	M68030	M68030	M68040	R6000
<b>Speed (MHz)</b>	16	25	25	25	25	33	25	60
<b>Serial Ports</b>	1-10	2-18	8-88	8-88	8-192	16-384	16-512	32-512+
<b>LAN</b>	← Ethernet →							
<b>Disk Capacity</b>	160 MB	600 MB	3 GB	3 GB	11 GB	23 GB	23 GB	40 GB
<b>Commodity Bus</b>	AT	AT	← Multibus II or VME →					
<b>Memory (MB)</b>	4-8	4-24	4-16	4-16	8-144	8-288	16-576	32-416 <sup>b</sup>
<b>Performance (VAX Mips)</b>	3.5 <sup>a</sup>	7 <sup>a</sup>	3.5	5	12 max (6.0/CPU)	29 max (7.5/CPU)	60 (15.0/CPU)	68

<sup>a</sup>Intel Mips. <sup>b</sup>4-Mbit chips









**DPX/2 500 FAMILY: PERFORMANCE PLUS.**

When business requirements demand the processing power of RISC processing technology, Bull offers the DPX/2 500 Family. In association with MIPS Corporation, Bull brings the power of the R6000 processor to the large server environment. The 500 Family achieves performance normally associated with multiple processors operating in parallel...an

incredible 68 MIPS running at a clock speed of 60 MHz. Highly configurable, the DPX/2 500 Family can meet the most demanding needs of large departments or enterprises. The operating environment of the DPX/2 500 Family is BOS/RISC, a Bull-enhanced version of AT&T's UNIX System V operating system.



**The RISC-based 500 Family can meet the most demanding needs of large departments or enterprises.**

**MAKING COMPATIBILITY A STANDARD FEATURE.**

Integrating a standard like UNIX is nothing new for Bull. For more than 30 years, we've been meeting *and establishing* standards throughout the globe.

In fact, we helped design the original Open Systems Interconnection (OSI) model, and developed the largest OSI network in the world.

Stressing multivendor integration, our systems communicate not only among themselves, but with DEC, IBM, Wang, and others. From PCs to mainframes, in LANs or WANs, we know how to make the necessary connections.

And our commitment extends beyond communications to include applications standards as well.

We contributed to the founding of the Open Software Foundation (OSF), an international association dedicated to establishing a fully open software environment. Now, with our UNIX systems and products, we're opening expansive commodity horizons for our customers.

Our dedication to standards will remain steadfast. As the marketplace evolves, we'll continue to make new advancements an integral part of our fully integrated solutions.



**BULL'S UNIX SOLUTIONS:  
THE SOFTWARE OF CHOICE.**

Whether you're using the DPX/2 Model 110 or the high-performance DPX/2 Model 510, you capitalize on Bull's full-fledged collection of business solutions. From office processing to relational data bases to 4GL productivity tools, Bull's software offering helps maximize the performance of our hardware systems.

ORACLE.

ORACLE is one of the market's leading UNIX relational data base management systems. Based on the SQL fourth-generation language, the system provides true portability, allowing applications developed on one ORACLE system to run on any other – including PCs, micros, minis, and mainframes.

INFORMIX.

Among the most advanced programming tools available today, INFORMIX provides a complete fourth-generation application development language, an easy-to-use relational data base management system, programming tools for the integration of ANSI-standard SQL statements and data bases, and full compatibility with industry standards.

UNIPLEX BUSINESS SOFTWARE.

Uniplex Business Software offers a range of business tools to enhance office productivity. These tools are divided into three modules:

- Uniplex II Plus which includes a word processor, spreadsheet (with Lotus 1-2-3 interface), relational data base (with INFORMIX compatibility or links to ORACLE and INFORMIX data bases), and a variety of business graphics
- Uniplex Advanced Office System which provides electronic mail, time management, a personal organizer, card index, and a powerful report writer
- Uniplex Advanced Graphics System which features a wide range of charts and graphs, "free-hand" drawing capabilities, and a comprehensive graphics editor.

Also available is the Uniplex Windows option which supports not only terminals and workstations based on the X Window System but also character terminals, thus protecting investment in existing hardware.

UNIFY AND ACCELL.

UNIFY is expressly designed for creating production applications in high-volume, transaction-oriented environments. The system's all-inclusive set of development tools includes multiple access methods (for faster query execution), integrated data protection (helping ensure data accuracy), and ease-of-use.

ACCELL\* is also oriented toward production environments, incorporating an RDBMS, 4GL, application generator, and integrated windows. With ACCELL, users can design applications in hours and then develop them in just days or weeks.

PC-DPX/2 INTEGRATION.

Bull enables MS-DOS users to integrate their PCs into a DPX/2 environment via PC-Interface\*, PC-Interface/SMB, or Network File System\* (NFS) software. With these products PC users can:

- Access UNIX applications
- Transfer MS-DOS files into UNIX applications and vice versa
- Share information with other PC users
- Access DPX/2 disks and printers

These products also provide application programmatic interfaces (APIs) that can be used to develop client/server applications, allowing PCs and DPX/2 systems to work together. In addition, MS-DOS users are able to access UNIX files and execute UNIX processes using MS-DOS commands.



## SUPPORT FROM EVERY ANGLE.

Bull systems are designed to be among the most reliable in the world and feature extended warranties to support their superior quality. In addition, our systems include innovative maintenance features, such as built-in system tests, remote diagnostic tools, and modular hardware designs. Exceptional quality allows our Customer Services Operation to design a service package with exactly the level of support you require.

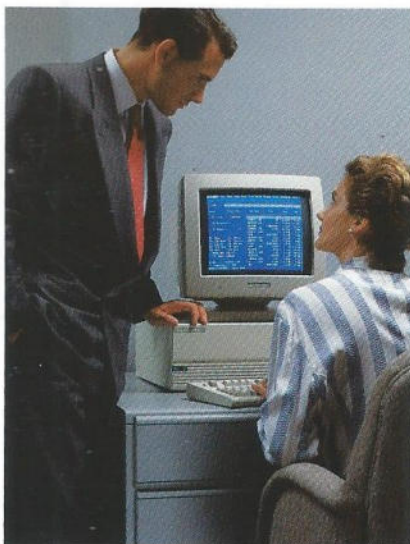
Comprehensive and flexible, like Bull systems themselves, our complete collection of support services—TotalCare™ Professional Services—can be tailored to both your business and financial needs.

With more than 200 locations in the U.S. alone, TotalCare provides everything from site preparation to installation to remote and onsite maintenance. Operating 24 hours a day, 7 days a week, the dedicated personnel of our Technical Assistance Center are armed with information and ready to act.

What's more, you can benefit from our worldwide customer training facilities, our porting centers for converting UNIX applications and products, and our conveniently located demonstration centers for viewing the latest system developments.

## KNOW BULL.

The Bull DPX/2 systems are the latest innovations in Bull's long line of leading-edge products. Their introduction strengthens our position as one of the top-ten computer companies in the world. With operating systems based on UNIX, they further solidify our status as the third largest distributor of UNIX-based systems worldwide.



We've achieved this vast cross-continental presence through quality products and a dedication to customers.

For years, we've worked with customers, resellers, and software partners in a wide range of industries, including federal, state, and local government; telecommunications; manufacturing; distribution; retailing; and a variety of other business areas.

Whether small startups or multinational conglomerates, businesses have come to rely on our products, our services, and our dedicated support.

That's why we can proudly point to more than 50,000 customers in over 90 countries.

Best of all, we're leaving your systems "open" for future advancements. In the days ahead, we'll continue to incorporate evolving new standards, thus *setting* a standard that few others can match.

## MOVE INTO THE OPEN...

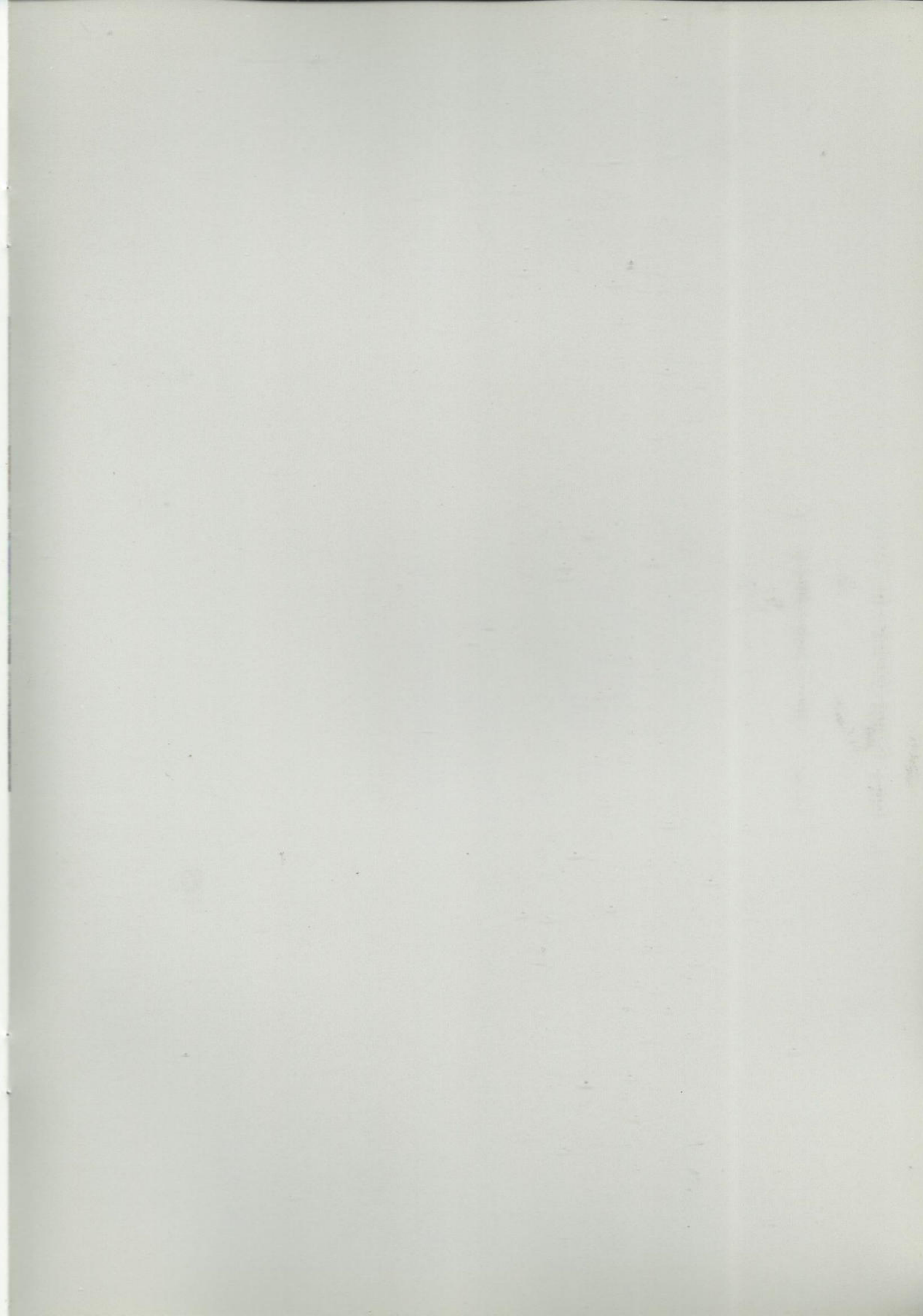
For additional information on how Bull can bring the power and flexibility of UNIX open systems to your business, contact your local Bull Sales Representative.

\*UNIX is a registered trademark of AT&T.  
ORACLE is a registered trademark of Oracle Corporation, Belmont, California.  
UNIFY and ACCELL are trademarks of the Unify Corporation.  
PC-Interface is a trademark of Locus Computing Corporation.  
The Network File System software from Bull is derived from LACHMAN System V NFS developed by Lachman Associates, Inc. NFS is a trademark of Sun Microsystems, Inc.

Bull disclaims the implied warranties of merchantability and fitness for a particular purpose and makes no express warranties except as may be stated in its written agreement with and for its customer. In no event is Bull liable to anyone for any indirect, special or consequential damages.

The information and specifications in this document are subject to change without notice. Consult your Bull Sales Representative for product or service availability.







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**Worldwide  
Information  
Systems**

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