



DPS 7000/XTA

The integration of two worlds
for new perspectives.

DPS 7000/XTA servers

Servers based on standard Intel® processors, integrating the GCOS 7 and open environments in the same platform.

Powerful and robust, they constitute the ideal evolution path for small and medium DPS 7000 servers.

Open architecture, standard processors, mainframe reliability

Designed and developed within the Diane program, the DPS 7000/XTA servers are based on the Intel® Xeon™ MP processors. They integrate the GCOS 7 and open environments in the same platform, while offering reliability, availability and maintainability of the mainframe class. The DPS 7000/XTA servers guarantee the continuity of functioning of GCOS 7 applications (binary compatibility) and facilitate the integration of applications of the open environments.

The DPS 7000/XTA servers complete the existing GCOS 7 offer which includes the NovaScale 7160 & 7320 servers. They constitute the ideal evolution path for small and medium DPS 7000 servers.

A high-performance and scalable platform

The DPS 7000/XTA servers consist of a hardware platform built around a standard Intel® architecture. This architecture is associated with a set of firmware and software components, the V7000 Virtual Machine, which allows the GCOS 7 and Windows® 2003 environments to be executed simultaneously.

The GCOS 7 environment as well the Windows® environment are run on dedicated processors, offering extremely

flexible operation, optimum performance and mainframe class security for GCOS 7 applications.

In addition, the integration of open world into DPS 7000/XTA servers offers high-performance input/output architecture and use of standard peripherals.

For networking, the DPS 7000/XTA servers supports the OSI/DSA and TCP/IP protocols.

Finally, the DPS 7000/XTA servers can be easily integrated in a SAN (Storage Architecture Network) thanks to their optical fiber links.

Running different environments simultaneously

Thanks to a virtualization software (logical partitioning), the DPS 7000/XTA servers are capable of running GCOS 7, Windows® and Linux® applications simultaneously.

Seven models to better meet users' needs

The DPS 7000/XTA models are characterized by the number and power of processors.

Offering GCOS 7 applications a performance of up to 730 in the GCOS 7 scale, they allow easy adaptation of the configurations to the needs of the user.



Technical specifications

Bull DPS 7000/XTAx5

Model ⁽¹⁾	XTA25	XTA35	XTA45	XTA55	XTA65	XTA75	XTA85
Central subsystem							
Number of GCOS 7 processors	1	1	1	1	1	1	1
Number of Windows processors	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3	1 - 3
Integrated processor cache (MB)	1	1	1	1	1	1	1
GCOS 7 memory (MB)	512	512	512	512 or 1024	512 or 1024	512 or 1024	512 or 1024
Windows memory (MB)	512 - 25088	512 - 25088	512 - 25088	512 - 25600	512 - 25600	512 - 25600	512 - 25600
Bull Admin. & Maint. server	1	1	1	1	1	1	1
I/O slots (max)	9	9	9	9	9	9	9
Integrated devices							
36 GB mirrored system disks ⁽²⁾	2	2	2	2	2	2	2
CD-RW/DVD-Rom combo drive	1	1	1	1	1	1	1
Floppy drive	1	1	1	1	1	1	1
10/100/1000 Mbps Ethernet channels on the mother board ⁽³⁾	2	2	2	2	2	2	2
Weight in GCOS 7 scale	75	90	130	190	290	560	730
Upgradeable on-site to model	XTA45	XTA45	XTA55	XTA65	XTA75	XTA85	-
Storage							
StoreWay FDA 1400							
NDAS CX300/500/700							
Symmetrix DMX Series							
STK L180 with STK 9840C drive							
STK L700 with STK 9840C drive							
PowerSave 320 FC							
SDLT 320 Rack Mounted							
OpenSave storage solutions							

(1) Numbers given above show theoretical limits.

(2) In addition, one spare disk that contains a clone of the mirrored system disks is delivered with each platform.

(3) One channel is dedicated to Bull Administration & Maintenance server, whereas the other is used for Windows TCP/IP communications.

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