



NovaScale G7x6

The new generation of
NovaScale GCOS 7 servers

NovaScale G7x6

New NovaScale GCOS 7 servers based on dual-core Intel® Xeon® processors, bringing the best of two worlds: GCOS 7 and Open. Powerful and robust, they constitute the ideal evolution path for small and medium DPS 7000 servers.

Innovative architecture, standard processors, mainframe reliability

Designed and developed within the Diane program, the NovaScale G7x6 servers are based on the Extended Twin Architecture and on dual-core Intel® Xeon® processors. They guarantee the continuity of functioning of GCOS 7 applications (binary compatibility), while facilitating the integration of open environment applications.

The NovaScale G7x6 servers complete the current GCOS 7 offer which includes the Bull NovaScale 7000 family.

They offer the reliability, availability and maintainability of the mainframe class. They constitute the ideal evolution path for small and medium DPS 7000 servers.

High-performance and scalable servers

The NovaScale G7x6 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® Server 2003 environments to be executed

simultaneously. The GCOS 7 environment as well the Windows® environment 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 NovaScale G7x6 servers enables high performance input/output architecture and use of standard peripherals.

For networking, the NovaScale G7x6 servers support the OSI/DISA and TCP/IP protocols. Finally, the NovaScale G7x6 servers can be easily integrated in a SAN (Storage Architecture Network) thanks to their optical fiber links.

Seven models to better meet customers' needs

The NovaScale G7x6 models are characterized by the number and power of cores. Offering a wide range of performance, from 75 to 730 on the GCOS 7 scale, they enable cost-effective and flexible infrastructures that can evolve at the pace best suited to customers' needs.



Architect of an Open World™

Technical specifications

Bull NovaScale G7x6

Models	G726	G736	G746	G756	G766	G776	G786
Central subsystem							
Number of GCOS 7 cores	1	1	1	1	1	1	1
Number of Windows cores	3	3	3	3	3	3	3
Integrated processor cache (MB)	4	4	4	4	4	4	4
GCOS 7 memory (MB)	1024	1024	1024	1024	1024	1024	1024
Windows memory (MB)	1024-33792	1024-33792	1024-33792	1024-33792	1024-33792	1024-33792	1024-33792
Bull Administration & Maintenance server	1	1	1	1	1	1	1
Free I/O slots	5	5	5	5	5	5	5
Integrated devices							
- 36 GB system disks ⁽¹⁾	2+1+1	2+1+1	2+1+1	2+1+1	2+1+1	2+1+1	2+1+1
- CD-RW/DVD-ROM combo drive	1	1	1	1	1	1	1
- 10/100/1000 Mbps Ethernet channels ⁽²⁾	2	2	2	2	2	2	2
GCOS 7 weight⁽³⁾	75	90	130	190	290	560	730
Number of active terminals ⁽⁴⁾ (TDS-IDS/II)	300	360	520	760	1160	2240	2920
Upgradeable on-site to model	G746	G746	G756	G766	G776	G786	None

- (1) Two system disks are in RAID-1 configuration, whereas the third one is a spare disk and the fourth one is a backup disk delivered aside.
- (2) One channel is dedicated to Bull Administration & Maintenance Server, whereas the other one is used for Windows TCP/IP communications.
- (3) "GCOS 7 weight" is the power rating on the GCOS 7 scale.
- (4) Numbers given above show theoretical limits.

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