

AIX™ first-class systems serving mission-critical environments



Escala PL3260R

Ideal for data centers running large database and/or transaction processing applications, ideal for large scale server consolidation – guaranteeing increased flexibility and reduced operating and energy costs, ideal for companies whose strategic applications require high levels of reliability, availability and ease of maintenance.

A level of reliability, availability and performance unparalleled in UNIX Data Centers

Escala PL3260R is the high-level based on 64-bit POWER6™ processors for handling critical applications. Escala PL3260R combines exceptional performance and extraordinary scalability. Capable of integrating up to 32 cores in an SMP configuration, Escala PL3260R can be rapidly and seamlessly evolved to help you face the ever changing need of your data center.

Performance, flexibility and high availability working for the environment

Escala PL3260R is destined for critical and complex applications in open Data Centers with large databases.

POWER and AIX® advanced virtualisation functionalities such as "Live Partition Mobility" (LPM) and "Workload Partitions" (WPAR), provide service continuity and resource optimization providing large energy savings, a fundamental requirement of Green Computing.

With Bull Application Rollover Facility (ARF™), Bull provides an innovative high availability clustering solution that can also be used for disaster recovery, taking into account POWER6's LPM and AIX's WPAR functionalities. To simplify performance management of virtualized infrastructures, **Bull Performance Report** provides a global, integrated and analytical overview of the virtualized environments around Escala.

Bull's competence centers at your service

Bull AIX competence centers were highly involved in the recent hardware and software developments of servers using Power6 and AIX technologies.

Bull's customers are able to take advantage of all of Bull's expertise to define, deploy, implement and monitor their complex infrastructures.

These competence centers offer services ranging from architectural definition and software environment dimensioning to proofs of concept (POC).

These centers intervene more specifically in the fields of the service continuity, middleware and infrastructure rationalization.

PRODUCT SPECIFICATIONS



Architect of an Open World™

Technical specifications – PL3260R

ARCHITECTURE	PL3260R
Building block packaging	19" s – 4U par module
Max no of modules par system / max "U"s	4 / 16U
Number of cores per system	4, 8, 16, 24 or 32
Processor	64-bit POWER6™
CPU core clock rate	4.2 GHz
System Memory per node (min-max)	2 Gb to 768 Tb
L2 cache	8 Mb per dual core processor chip
L3 cache	32 Mb per dual core processor chip
VIRTUALIZATION	
Maximum Logical Partitions	160
Power on Demand (PoD) support	Yes
Advanced Virtualization Features (PowerVM)	Optional
Live Partition Migration	Optional with PowerVM Enterprise Edition
MEDIA BAYS	
Standard per module (DVD RAM or ROM)	1
External Tape drive (VXA or DAT)	Optional with media drawer
DVD RAM / ROM	Optional with media drawer
EXPANDABILITY	
Slots for hot swap PCI-X adapters in base per drawer	2 x PCI-X and 4 x PCI express / module
Slots for hot-swap disk drive bays in base per drawer	6 / modules
Extension drawers (disks)	32 x 6 PCIx or 16x 10 PCIe/18 disks
Additional Extension drawers (PCI/disk)	288 PCIx slots or 160 PCIe/ 288 disques
Internal disk capacity within system drawer(s)	10,8 TB (with 450 GB disks)
Bull StoreWay disk subsystems	Optional
Netapp disk subsystems	Optional
EMC2 disk subsystems	Optional
Overland and STK Libraries	Optional
RAS FEATURES	
Chipkill™ ECC, bit-steering memory	Standard
Service processor	Standard (optionally redundant for 16 cores or more)
Hot-plug modules	Standard
Simultaneous repair of all components	Standard
Dynamic Processor Deallocation	Standard
Redundant and hot-plug fans	Standard
Redundant hot-plug power supply	Standard
COMMUNICATIONS CONNECTIVITY	
Ports USB / serial / HMC	2 / 2 / 4 Standard/module
Ethernet 1 Gbps	Max 16
Ethernet 10 Gbps	Max 8
CONSOLES	
HMC	Optional
IVM (Integrated Virtualization Manager)	Optional
OPERATING SYSTEM	
AIX v5.3/ 6.1	Standard
Linux Red Hat; Novell/Suse	Optional
HIGH AVAILABILITY	
ARF v5, v6, v7 or HACMP v5.4, PowerHA v5.5	Optional
PERFORMANCE	
Max rPerfs with AIX (number of cores)	35.50(4) ; 64.96(8) ; 113,68(16) ; 153.46(24) ; 193.25(32)
SPECIFICATIONS	
Operating temperature	5 to 35 degrees C
Relative humidity	8% to 80%
Operating voltage	200 to 240V
SIZE AND WEIGHT	
Rack module	H 174 mm x W 483 mm x D 824 mm
WARRANTY	
Standard warranty	1 year on site
Warranty extension	Optional

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