

AIX servers designed specifically for branch office applications and small databases



## Escala PL160, PL260 and PL460

- Proven 6th generation POWER™ technology delivers enhanced performance, efficiency, reliability and flexibility.
- Intuitive browser-based PowerVM™ virtualization software makes it easy to improve server utilization and energy efficiency.

Escala PL160 with one 4.2 GHz POWER6™ core, PL260 with two 4.2GHz POWER6™ and PL460 with four 4.7 GHz POWER6™ cores deliver outstanding performance at compelling low prices for use as a distributed application server, small database server, or in a high transaction environment based on the Java™ platform.

The flexibility of Escala PL160, PL260 and PL460 to utilize both AIX and Linux operating systems broadens the application offerings available and increases the ways clients can manage growth, complexity and risk.

The energy management and browser-based virtualization software makes it easier than ever to achieve increased server utilization and energy efficiency by utilizing the innovative capabilities of EnergyScale technology and optional PowerVM Editions.

**Exceptional reliability, availability and serviceability (RAS) features** which are designed to deliver near-continuous application availability and allow more work to be processed with less operational disruption.

Escala PL160, PL260 and PL460 are packaged as a desktop or 4U rack-mount server and are designed to continue the tradition of its predecessors, based on POWER5+, by delivering outstanding performance and reliability at compelling low prices. Escala PL160, PL260 and PL460 supports single or dual-core POWER6 modules on a single or dual chip planer.

Each POWER6 module has 8MB of L2 cache. In a 4 core configuration, the system can contain up to 64GB of memory via eight DDR2 memory DIMM slots.

Escala PL160, PL260 and PL460 contain six 3.5" SAS disk bays, which accommodate up to 1.8TB of disk storage. All disk bays are direct dock or hot-pluggable. The server offers two Ethernet 10/100/1000 Mbps ports or optionally four Ethernet 10/100/1000 Mbps or two 10 GB Ethernet ports.

PRODUCT SPECIFICATIONS



Architect of an Open World™

# Technical specifications – PL160 R/T, PL260 R/T & PL460 R/T

	PL160 R/T	PL260 R/T	PL460 R/T
Processor Number	One (4.2GHz)	Two (4.2GHz or 4.7GHz)	Four (4.2GHz or 4.7GHz)
Performances (max)	8,39	20.13	39.73
<b>Standard configurations</b>	<b>Common Features</b>		
Form factor	Deskside or 4U 19-inch rack-mount packaging		
Processor cores	One, two or four 64-bit 4.2 GHz POWER6		
Level 2 (L2) cache	4MB per processor core (8 MB on 1-core systems)		
Level 3 (L3) cache	N/A		
RAM (memory)	1GB to 64GB of DDR2 SDRAM		
Internal disk bays	Six 3.5" Serial Attached SCSI (SAS) 73.4GB, 146GB or 300GB 15Krpm		
Internal SAS disk storage	Up to 1.8 TB; up to 30.6 TB with eight optional I/O drawers D20		
Media bays	One slimline and one half-high		
Adapter slots	Two PCI-X (266 MHz (DDR)), Three PCI Express 8x		
Integrated Virtual Ethernet	<ul style="list-style-type: none"> <li>• Two Ethernet 10/100/1000 Mbps ports, or</li> <li>• Four Ethernet 10/100/1000 Mbps ports, (option), or</li> <li>• Two 10GB Ethernet ports (option)</li> </ul>		
Other ports	Three USB, two HMC, two system ports		
<b>Expansion features (optional)</b>			
High performance PCI adapters	4GB Fibre Channel, 10 GB Ethernet		
I/O expansion	8 x 6 PCI-x or 4x 10 PCI-e/18 disks		
GX adapters	RIO-2, 12x GX		
GX slots	Two (first shares space with and replaces a PCI Express 8x slot)		
<b>PowerVM technologies</b>			
POWER Hypervisor™	LPAR, Dynamic LPAR, Virtual LAN (Memory to memory inter-partition communication)		
PowerVM Express Edition (optional)	Up to three partitions on the server, Application virtual Environment, virtualized disk and optional devices (VIOS), shared Processor Pool, and Integrated Virtualization Manager (IVM)		
PowerVM Standard Edition (optional)	PowerVM Express Edition plus Micro-Partition with up to 10 micro-partitions per processor; Multiple Shared Processor Pools; Virtual I/O Server with IVM; Shared Dedicated Capacity		
PowerVM Enterprise Edition (optional)	PowerVM Standard Edition plus Live Partition Mobility		
<b>Performance Management</b>	Bull Performance Report		
<b>Operating systems</b>	AIX V5.3 or AIX 6.1; SUSE Linux Enterprise Server 10 for POWER (SLES10 SP1) or later; Red Hat Enterprise Linux for POWER version 4.5 (RHEL 4.5) or later		
<b>High availability</b>	Bull ARF v5, v6 and v7; Power HA v5.4 , 5.5, 6.1		
<b>Specifications</b>			
Operating temperature	5 to 35 degrees C		
Relative humidity	8% to 80%		
Operating voltage	100v to 127v or 200v to 240v AC, 80+ compliant		
Power consumption	1100 watts		
Thermal output	3754 Btu/hour		
<b>System dimensions</b>	Deskside: (535mm x 190 mm x 590 mm); weight: 35.5Kg Rack drawer: 172 mm x 442 mm x 573 mm; weight: 35.5Kg D20 I/O drawer: 178mm x 482mm x 610mm; weight: 45.9Kg G30 I/O drawer: 178mm x 445mm x 610mm; weight: 20.0Kg		
<b>Warranty</b>	1 year		
Contact us :	info.servers@bull.net		

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