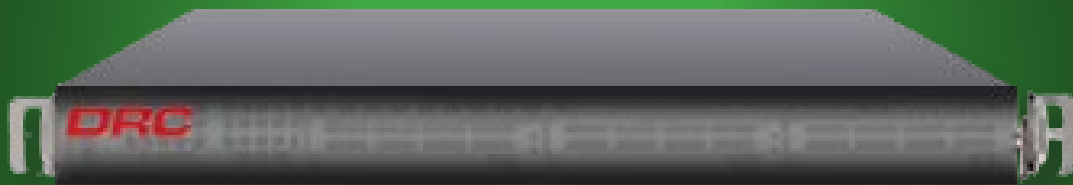


Accelium™ Appliance Platform



Low Latency Data Appliance

Architected for ultra-high bandwidth—streaming applications at 1.5 GB/s and with < 3µs latency.

Highest Capacity Platform

Powered by the DRC Coprocessor with more memory, bandwidth and application capacity than any other coprocessor platform.

Application Transparency

Maximum acceleration with no application source code changes.

Open Linux Environment

Accelium ships with a standard Linux distribution.

Ultra-High Performance Application Accelerator

- Delivers massive application performance gains.
- Accelium runs search, sort, encrypt and compress at hardware speeds.
- No software changes to gain up to 100x, or more, performance improvement.
- Reduces x86 server needs by up to 10x — major power, real estate savings.
- Hardware encoded security for maximum application protection.

Gigabyte throughput, microsecond latency

The DRC Accelium appliance platform provides the ideal environment for high capacity line speed applications. Encrypt, compress data in-line at 1.5 giga-bytes per second, and with less than 3 microsecond latency. This appliance platform performs up to 30 times better than existing generation data appliances and at much lower cost.

In online information search environments the Accelium platform has up to 100 times the performance of existing search engines providing you with a substantial savings in data center real estate and power requirements.

The DRC Accelium Architecture, based on the industry's most powerful coprocessor, delivers appliance platforms outperforming other servers. The DRC Accelium Coprocessor is a Reconfigurable Processing Unit (RPU) that fits into a standard CPU socket providing the highest throughput and lowest latency of any coprocessor.

With a highly modular architecture the Accelium appliance platform can be scaled to meet the most demanding of applications.

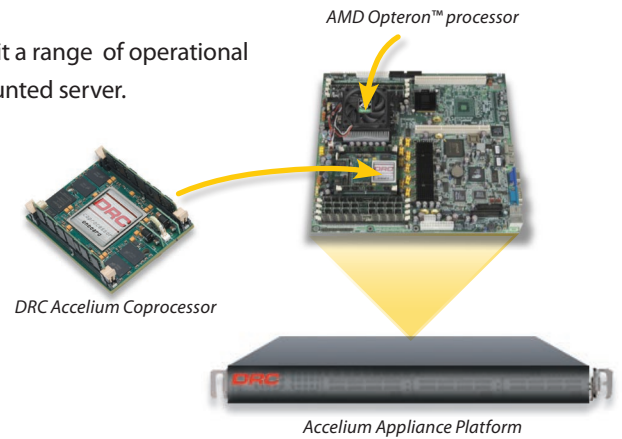
Ultra-high performance routines execute in the Accelium coprocessor at hardware speeds and are callable as hardware subroutines by the application running in the adjacent x86 CPU. And no application source code changes are required to take advantage of the massive performance improvement.

Accelium Configurations

The Accelium Appliance Platform is available in a variety of configurations to suit a range of operational requirements. Standard configurations are based on a 2-way or 4-way rack mounted server.

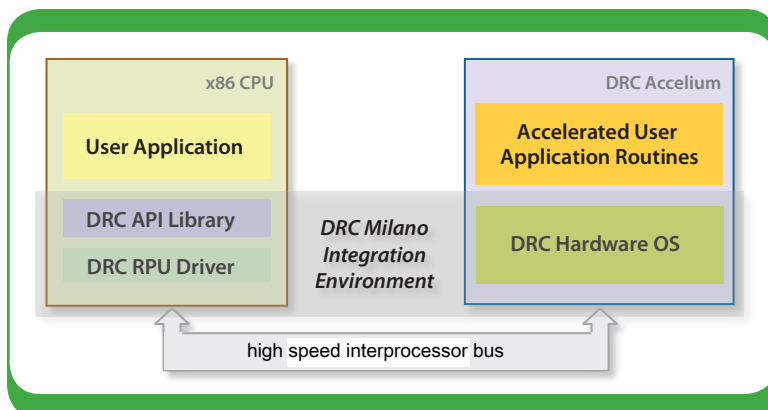
Configuration options include:

- 2U or 4U rack mounted servers
- 2 way or 4 way motherboards
- 1,2 or 3 DRC Accelium 2000 coprocessors
- 1, 2 or 3 AMD Opteron™ dual or quad-core processors
- Gigabit Ethernet support
- Fibre Channel support for up to 8 x 4 Gbps channels
- Various memory and disk drive options



For those customers who wish to do their own development DRC offers a range of 2-way and 4-way tower and rack mounted development workstations and servers.

Accelium Model	AA2211	AA2311	AA2222	AA2322	AA2331
Number of Processor Sockets	2	2	4	4	4
DRC Coprocessors	1 x AC2020	1 x AC2030	2 x AC2020	2 x AC2030	3 x AC2030
AMD Opteron Processors	1 x 2350 (4core)	1 x 2350 (4core)	2 x 8350 (4core)	2 x 8350 (4core)	1 x 8350 (4core)
PCI Slots	2 x PCIe x 16 1 x PCIe x 8 1 x PCIx 133 1 x PCIx 100	1 x PCIe x 8 1 x PCIx 133 1 x PCIx 100	2 x PCIe x 16 2 x PCIe x 8 2 x PCIx 133	2 x PCIe x 16 1 x PCIe x 8 1 x PCIx 133	2 x PCIe x 16 1 x PCIe x 8 1 x PCIx 133
Internal Disk	250GB SATA	250GB SATA	250GB SATA	250GB SATA	250GB SATA
Integrated NIC	2 x 1GE Ports	2 x 1GE Ports	2 x 1GE Ports	2 x 1GE Ports	2 x 1GE Ports
Video card	Nvidia 8400GS	Nvidia 8400GS	onboard	onboard	onboard
DVD/CD R/W	1	1	1	1	1
USB Ports	2	2	4+	4+	4+
Warranty	1 year	1 year	1 year	1 year	1 year



DRC Milano™ Integration Environment

Milano™ is a set of DRC services that seamlessly integrates the DRC RPU with the x86 CPU. With API, driver and management interface on the CPU, and a hardware operating system on the DRC RPU the following realtime functions are provided:

- DMA and interprocessor bus arbitration management
- Very low overhead and low latency paths
- Coprocessor resource arbitration management
- Run Time Reconfiguration
- In-field upgradeable
- Set of well behaved, consistent interfaces
- Full Linux support

DRC Computer Corporation

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