PS4 APU Architecture (Estimated)

GCN GPU Core

CrossBar

Onion+

Fusion Compute Link (FCL)

Bypass GPU Cache

I/O (Link)

Controller

IOMMU

Video Decoders

/Encoders

UNB (Unified North Bridge)

Front End (Queues)

2MB L2 Cache

Jaguar Compute Unit

Core

Core

Core

Core

2MB L2 Cache

Core

Core

Core

Core

DRAM Controller

Graphics Memory Controller (GMC)

Garlic

Radeon Memory Bus (RMB)

DRAM

GDDR5

PHY

32-bit

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

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DRAM

GDDR5

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32-bit

DRAM

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

DRAM

GDDR5

PHY

32-bit

Jaguar Compute Unit

Display Controller

PCI Express Controller

PHY

PCI Express x4

Sub System

Chip

DRAM

DRAM