IXP2400 chip

PCI bus

coprocessor bus

classif. accel.

ASIC

Flash Mem.

Media or Switch Fabric interface

optional host connection

PCI bus

IXP2400 chip

coproc. iface.

coprocessor bus

Media or Switch Fabric

receive

transmit

input and output demux

Media or Switch Fabric

flow control bus

QDR SRAM

DDR DRAM

XScale RISC processor

PCI iface.

SRAM iface.

DRAM iface.

hash unit

scratch memory

FC bus iface.

multiple, independent internal buses

MEs 1 - 4

MEs 5 - 8

slow port

receive

transmit

input and output demux

Media or Switch Fabric

slow port

receive

transmit

input and output demux

Media or Switch Fabric

optional host connection

PCI bus

IXP2400 chip

coprocessor bus