Ingress data store processor

SRAM for ingress data

Ingress switch interface

Internal SRAM

Egress switch interface

Egress data store processor

Embedded Processor Complex (EPC)

Ingress physical MAC multiplexor

Egress physical MAC multiplexor

Traffic manag. and sched.

PCI bus

External DRAM and SRAM

From switching fabric

To switching fabric

Packets from physical devices

Packets to physical devices

Egress data store

Packets from physical devices