Ingress GMII, SMII, PMA SPI-3, Utopia

coprocessor input (SPI-3)
classif. memory (FCRAM)

input interface

pattern processing engine

state engine

statistics memory (DDR-SRAM)

Egress GMII, SMII, PMA SPI-3, Utopia

coprocessor output (SPI-3)

output interface

stream editor

reorder buffer and traffic shaper

onboard memory

PCI bus

APP550

classif. buffer (FCRAM)

schedul. buffer (FCRAM)

SED memory (FCRAM)

PCI bus interface

scheduler memory (DDR-SRAM)

classif. buffer (FCRAM)

PDU assembler

pattern processing engine

reorder buffer and traffic shaper

onboard memory