CISCO   PRE4

10000 SERIES PERFORMANCE ROUTING ENGINE 4

- Provides up to 10 million packets per second (mpps) of processing power for increased throughput
- Supports increased bandwidth through link bonding connections between the PRE4 and Cisco 10000 Series SPA Interface Processor (SIP)-600
- Includes 800 MHz route processor with 4 GB ECC protected DRAM for new features and scalability improvements
- Delivers enhanced storage options for larger and more complex configurations
- Uses Cisco patented PXF technology to provide maximum IP service flexibility without performance impact
- Supports processor redundancy, helping enable 99.999-percent network uptime
- Support for Building Integrated Timing Supply (BITS) interface, a component of the Cisco 1000 Series BITS architecture that enables network service synchronization

CISCO   PRE5

10000 SERIES PERFORMANCE ROUTING ENGINE 5

- Provides up to 10 million packets per second (mpps) of processing power for both IPv4 and IPv6 with typical configurations (The IPv6 data plane is redesigned to significantly improve forwarding performance.)
- Supports four 10 Gigabit Ethernet SFP+ backhaul interfaces on the front panel
- Supports either load sharing or backup mode between the WAN backhaul interfaces on active and standby Cisco uBR10012 PRE5s.
- Delivers enhanced storage options for larger and more complex configurations, including:
  - 16 MB nonvolatile random access memory (NVRAM)
  - 4 GB double data rate type 3 (DDR3) synchronous dynamic random access memory (SDRAM)
  - 4 GB internal embedded USB (eUSB) flash memory, used as internal system memory for image saving and log saving
  - External USB disk (up to 4 GB)

There are versions with 10, 20, or 40 licences available.