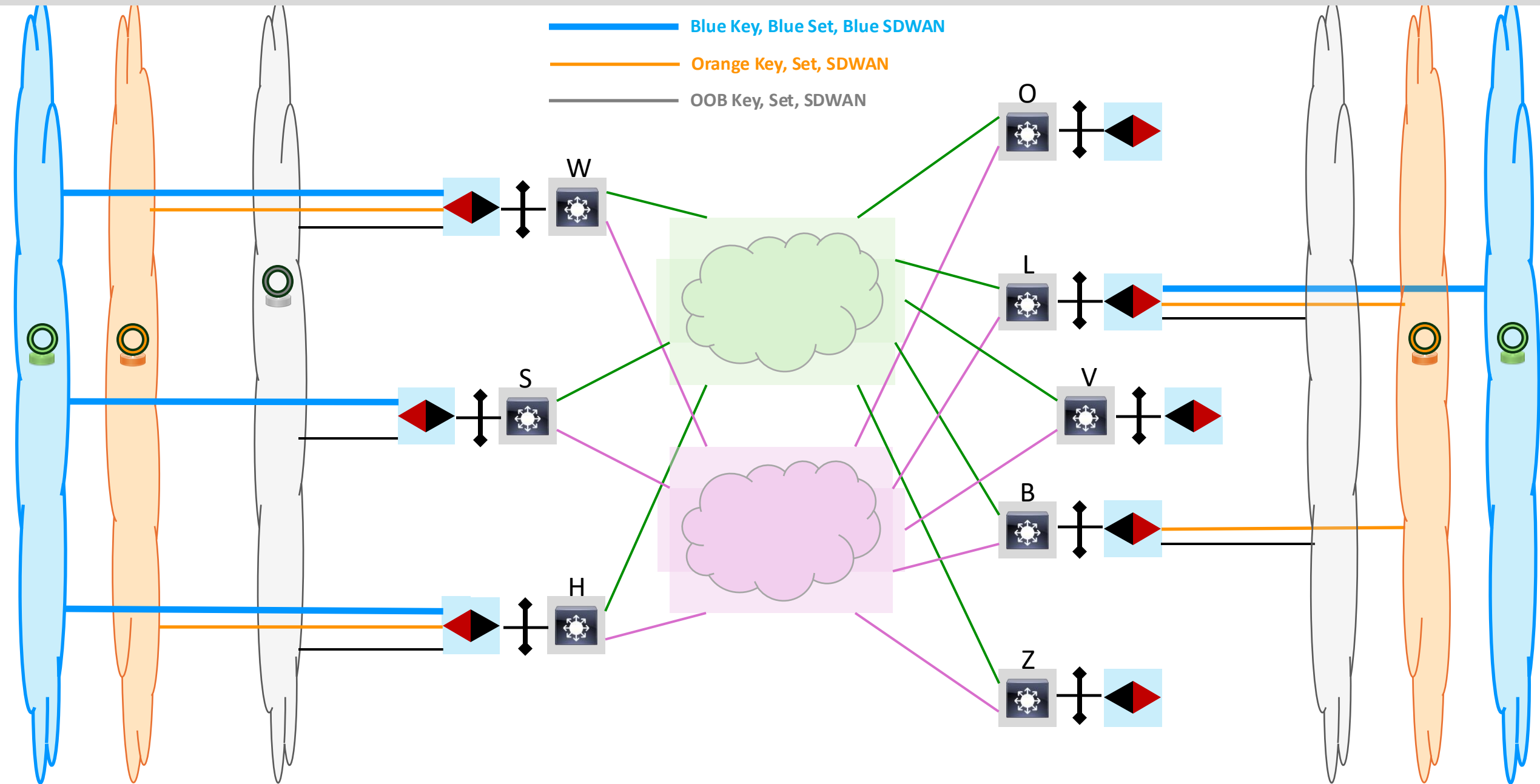


Different Site Sets - Cryptographic Key Isolation

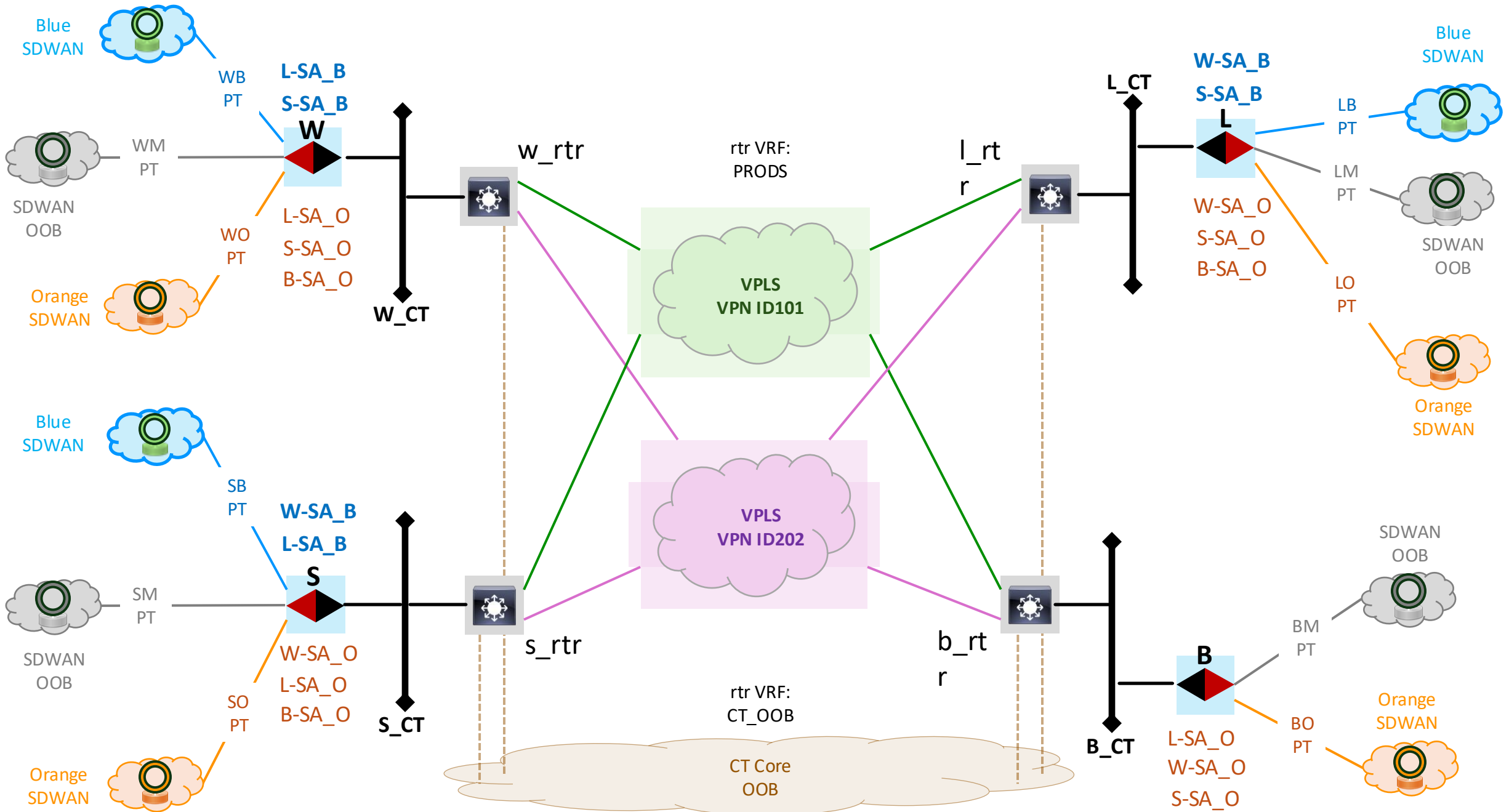
Blue Key, Blue Set, Blue SDWAN

Orange Key, Set, SDWAN

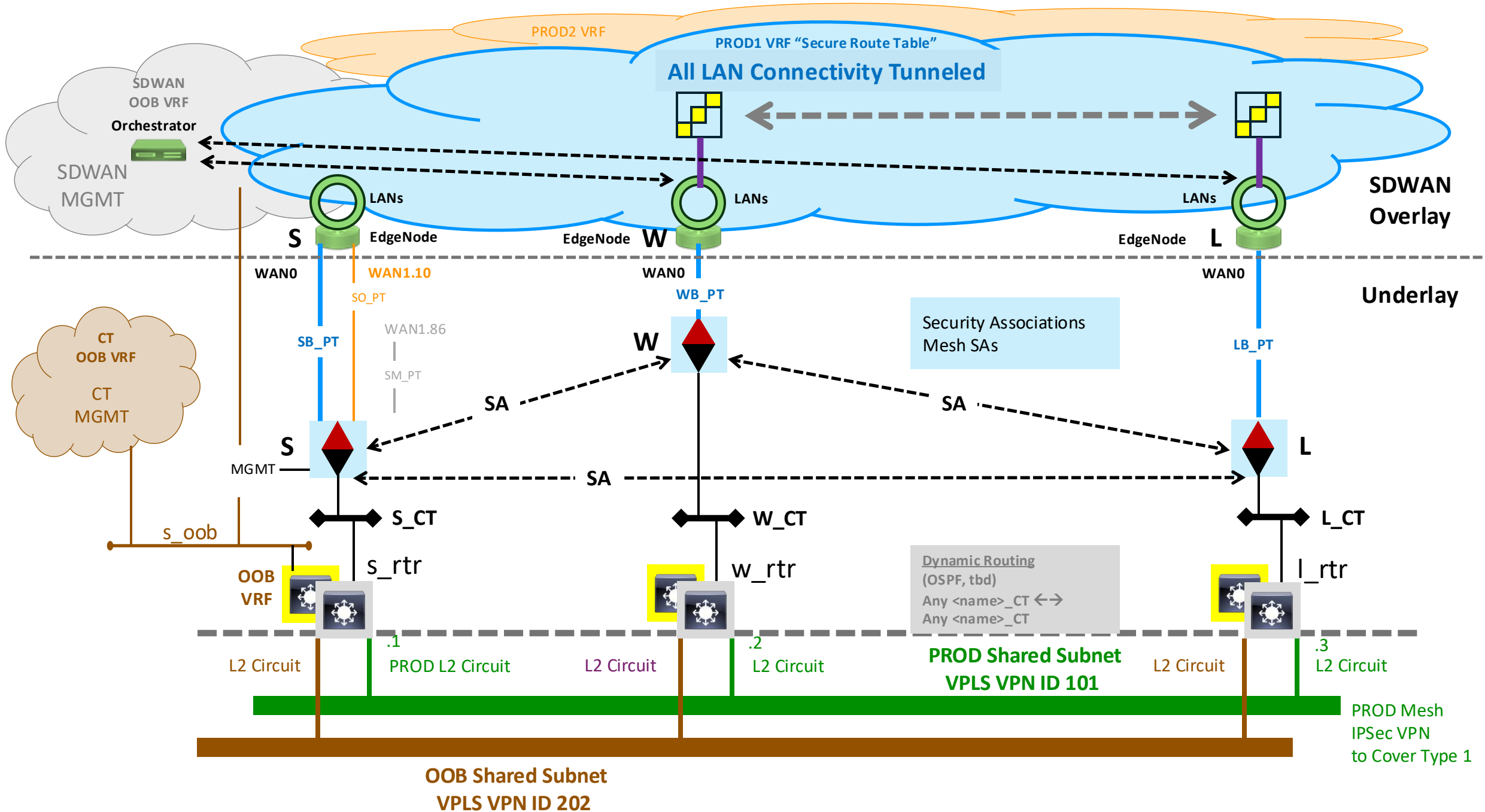
OOB Key, Set, SDWAN



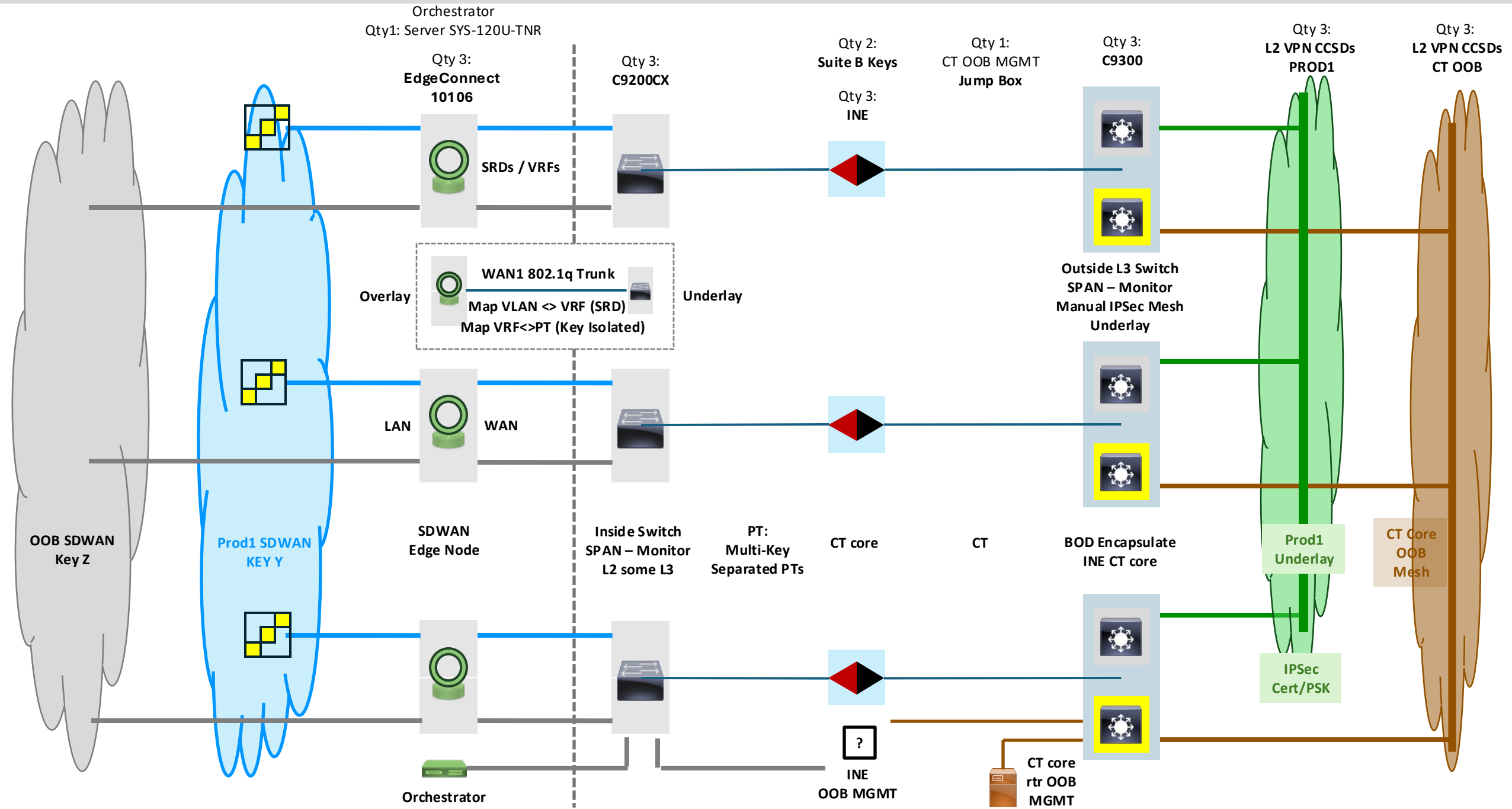
Different Site Sets – Different Keys paired to different SAs providing Cryptographically isolated PT subnets on Single INE – PRODs & OOB



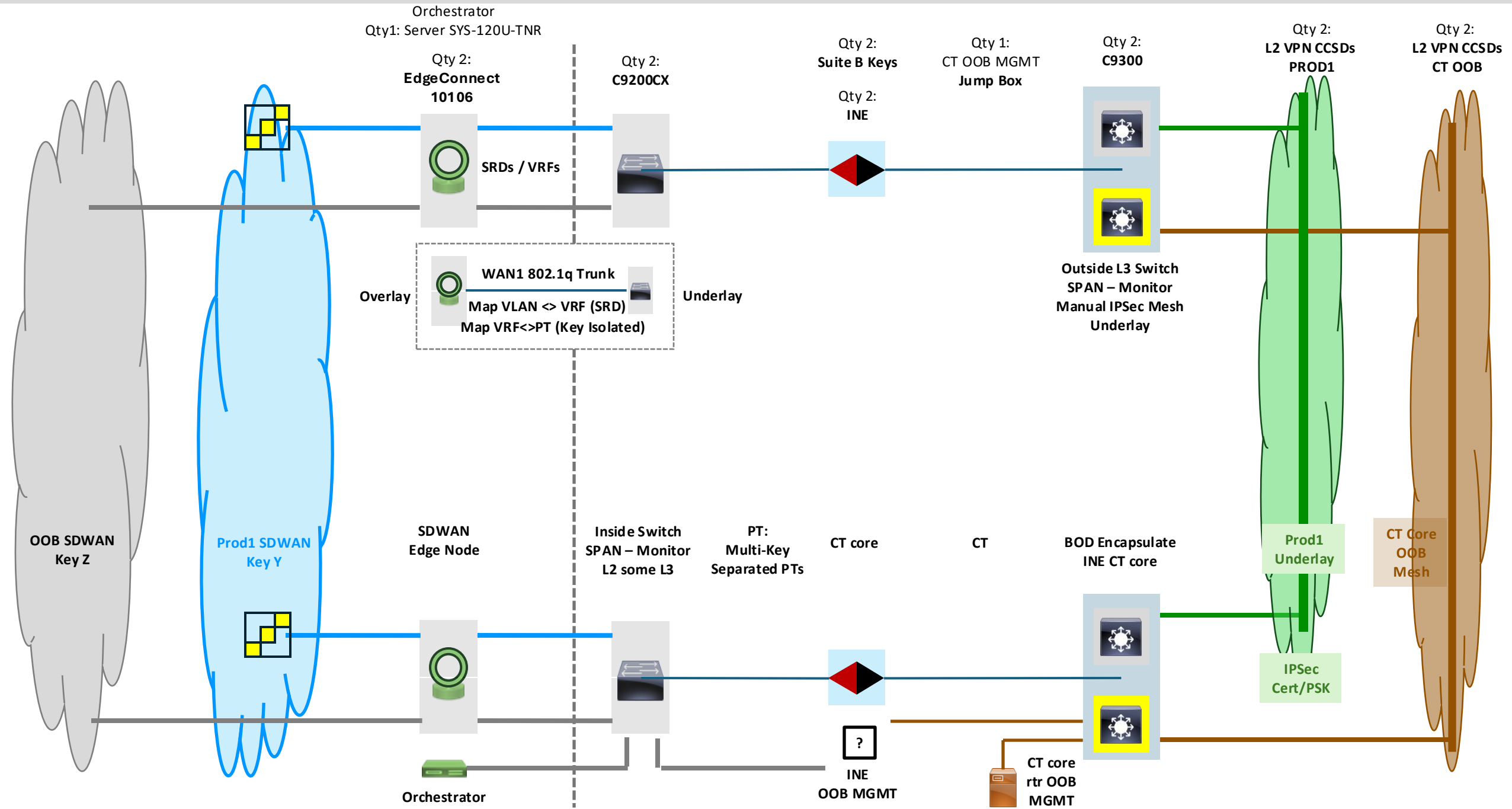
Meshed & Encapsulated CT Core with separate circuits for OOB VRF



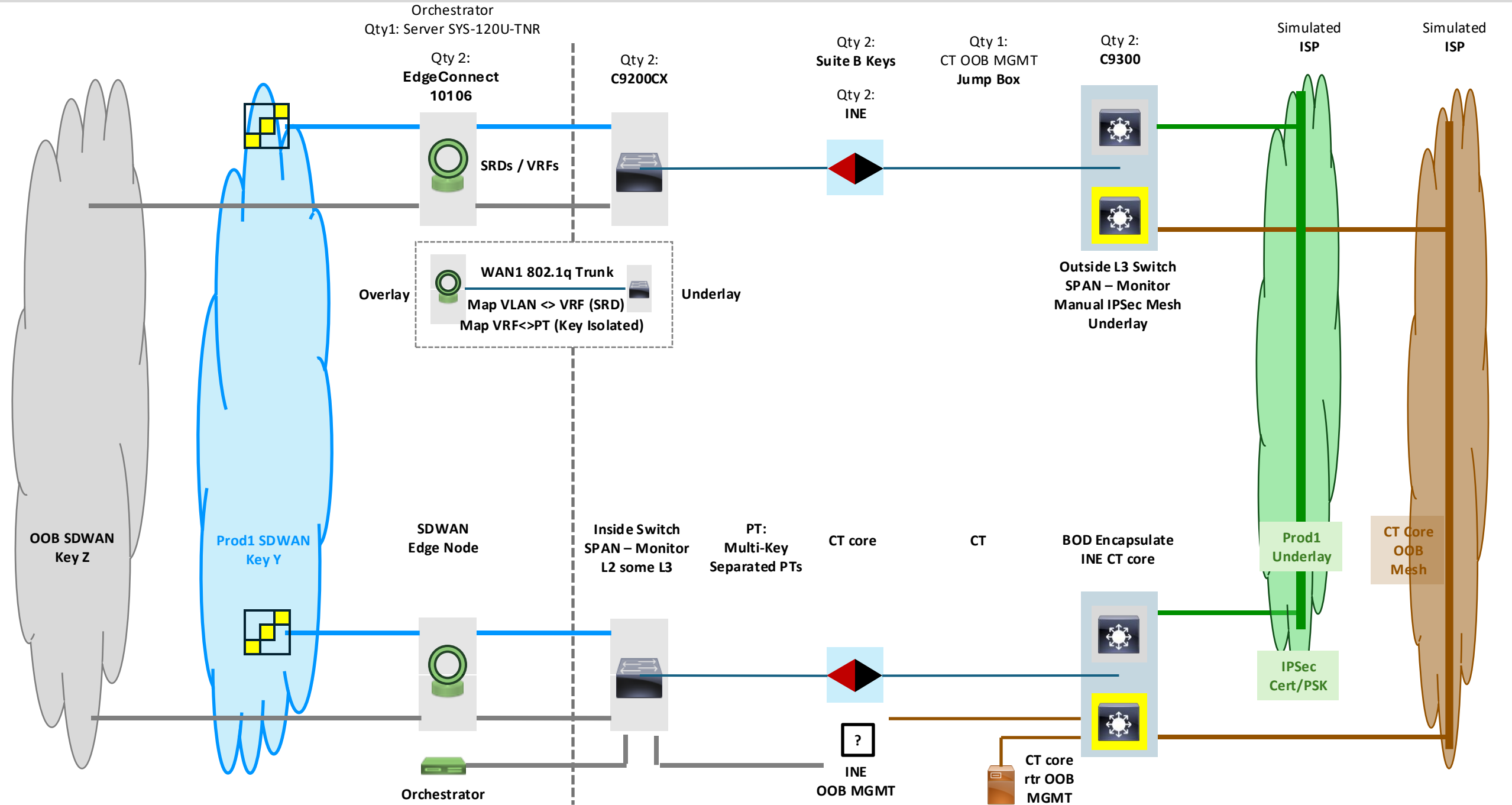
3 Site Provisional HW & Circuit BOM



2 Site Provisional HW & Circuit BOM

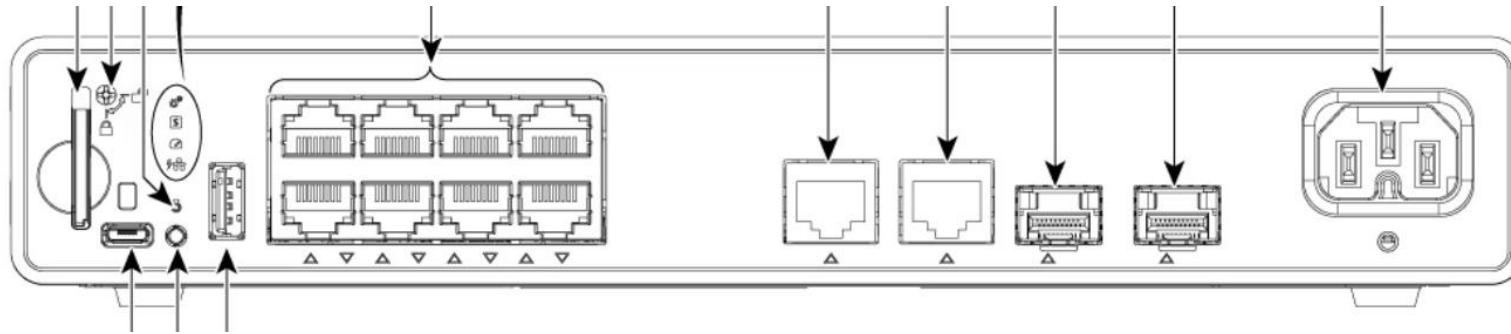


2 Site RDTE HW



Circuit Edge Device (BOD Encapsulator)

C9200CX-8P-2X2G



As shown in diagrams:



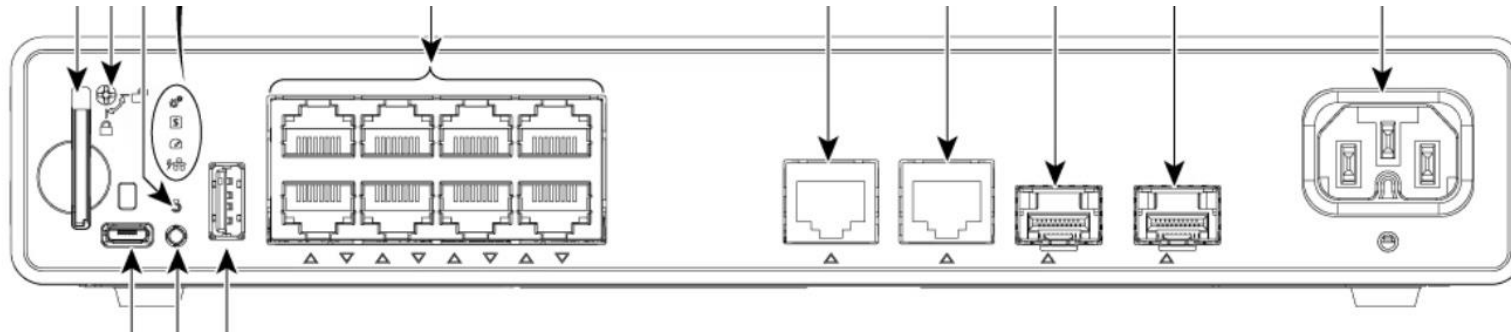
Full IOS-XE w/OSPF and VRF Lite

HW: Approx. \$2000

SW: IOS-XE Included

Circuit Edge Device (BOD Encapsulator)

C9200CX-8P-2X2G



As shown in diagrams:



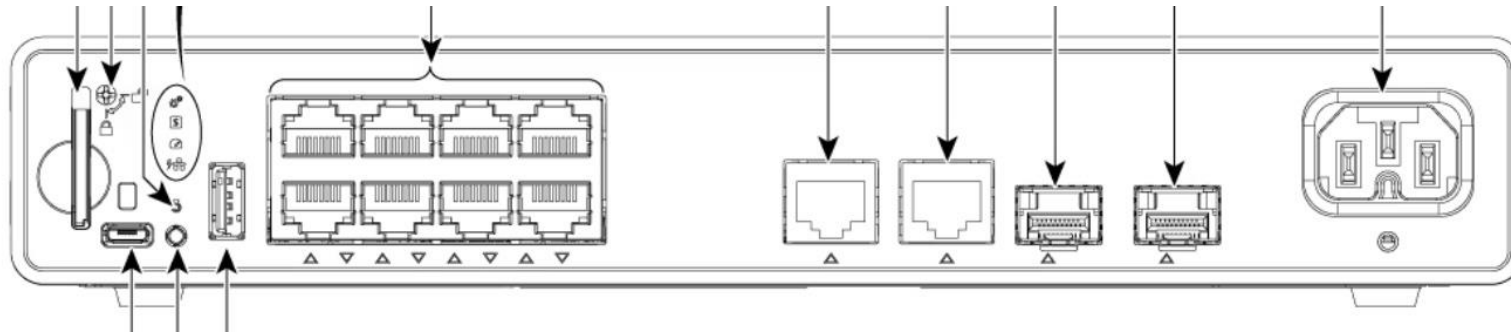
Full IOS-XE w/OSPF and VRF Lite

HW: Approx. \$2000

SW: IOS-XE Included

Inside Switch

C9200CX-8P-2X2G



As shown in diagrams:




Full IOS-XE w/OSPF and VRF Lite

HW: Approx. \$2000

SW: IOS-XE Included

Orchestrator VM on 1U server w/ Windows Server 2025 Host running Hyper-V





Supermicro 1U Ultra SuperServer (SYS-120U-TNR)

CPU	2 x	Intel® Xeon® Silver 4310 Processor 12-Core 2.10GHz 18MB Cache (120W)
Memory	4 x	8GB DDR4 3200MHz ECC RDIMM Server Memory
Storage	4 x	960GB 2.5" D3-S4520 SATA 6Gb/s Solid State Drive (3 x DWPD) (Slot OnBoard: INTEL SATA, MAIN, Raid 10 with 4 drives, 0x Global Spare drive)
Storage Controller	1 x	Supermicro Low Profile 12Gb/s Eight-Port SAS Internal RAID Adapter (up to 16 Drives)

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Subtotal \$6,477.57

Tax

Order Total \$6,477.57

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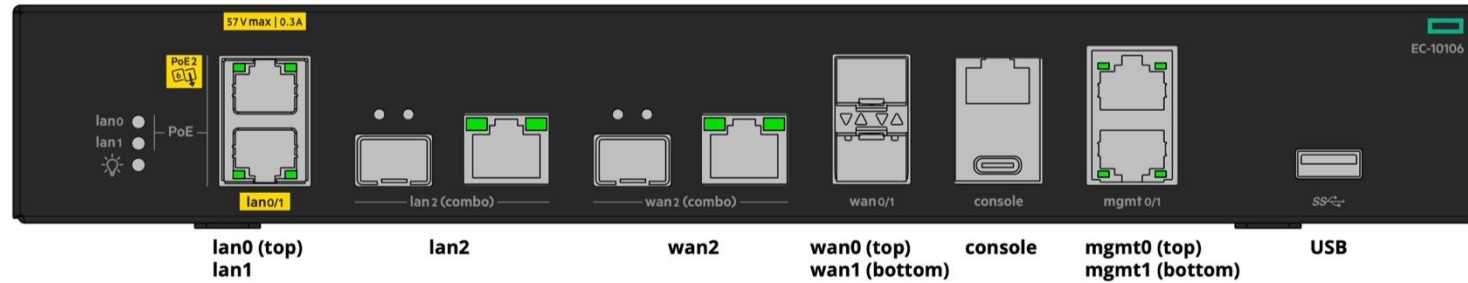
HW: SYS-120U-TNR Approx. \$6500

SW: Windows Server 2025 for Hyper-V (No cost)

Edge Connect

EC-10106

Figure 1 *Front Panel of the HPE Aruba Networking EdgeConnect 10106 SD-WAN Gateway*



As shown in diagrams:



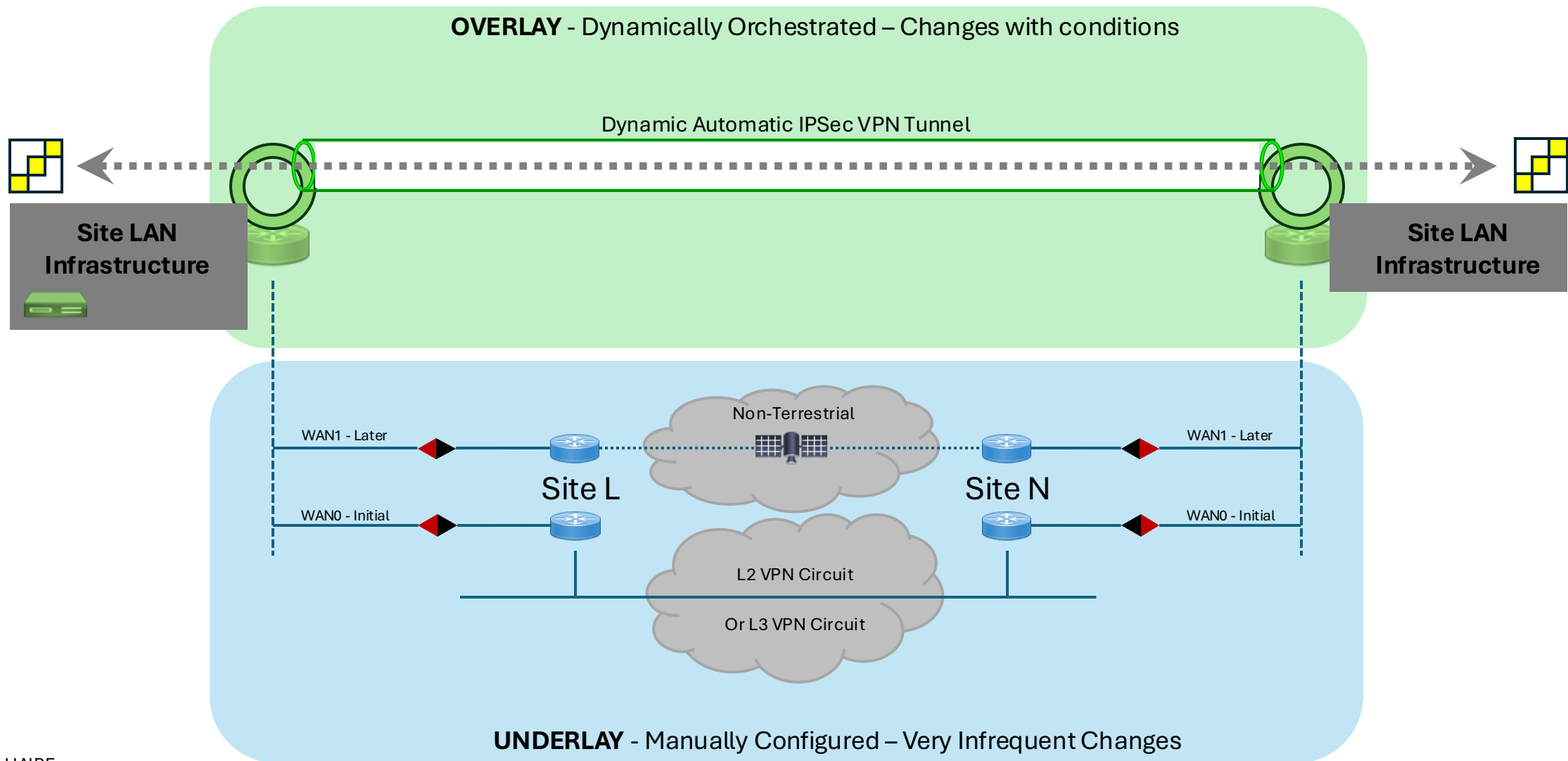
Edge Node (HW&SW) Approx. \$ 3700





HW Approx. \$ 3000

SW Approx. \$ 686/yr per device (20Mbps)

Notes:

1. 1 Circuit or 2 Circuits:
 - 1 L2 VPN Circuit IOC
 - 2 Circuits (1 per IEC at FOC)
2. Redundant Inner EdgeConnect (IEC) Node:
 - No – IOC
 - Yes – Lab and FOC
3. HAIPE Cover
 - Yes → Outer OEC – same model as IEC
 - No → No OEC
4. Hub Site - Inner-SW
 - C9200CX-8P-2X2G
5. Hub Orchestrator VM Server
 - SYS-120U-TNR
 - Dedicated 1U Supermicro w /Server 2025 Hyper-V
 - ~25 EC gateways
 - 8 CPU / 24 G / 512 GB
 - 1 U Windows 2025 – w Hyper-V
6. SYS-120U-TNR
 - Dedicated 1U Supermicro w /Server 2025 Hyper-V
 - ~25 EC gateways
 - 8 CPU / 24 G / 512 GB
 - 1 U Windows 2025 – w Hyper-V



-  HAIPE
-  SDWAN Gateway
-  SDWAN Orchestrator
-  Edge Router – New or Existing

