

NETWORKING
DEVICES
SPECIFICATIONS

NETWORKING DEVICES SPECIFICATIONS

Item	Count
Data Centers Core switch	3
Data center GW Routers	3
Data centers Access switch	14
Data centers firewall	3
Remote sites routers	215

Note: The breakdown of each of the items is provided in a separate page

As follows:

Data centers core switch

Part Number	Description	Qty
WS-C4506-E	Cat4500 E-Series 6-Slot Chassis, fan, no ps	1
S45EUK9-S8-36E	CAT4500e SUP8e Universal Crypto Image	1
C4K-SLOT-CVR-E	Catalyst 4500 E-Series Family Slot Cover	3
C4500E-IPB	Paper IP Base License	1
WS-X45-SUP8-E	Catalyst 4500 E-Series Supervisor 8-E	1
PWR-C45-1300ACV	Catalyst 4500 1300W AC Power Supply (Data and PoE)	1
CAB-AC-2800W-INT	International Power Cord	2
PWR-C45-1300ACV/2	Catalyst 4500 1300W AC Power Supply (Data and PoE)	1
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	24
WS-X4748-RJ45-E	Catalyst 4500 E-Series 48-Port 10/100/1000 Non-Blocking	1
WS-X4724-SFP-E	Catalyst 4500 E-Series 24-Port GE (SFP)	1

Data center routers

Part Number	Description	Qty
CISCO3945E/K9	Cisco 3945 w/SPE250,4GE,3EHWIC,3DSP,4SM,256MBCF,1GBDRAM,IPB	1
SL-39-APP-K9	AppX License with; DATA and WAAS for Cisco ISR 3900 Series	1
PWR-3900-AC	Cisco 3925/3945 AC Power Supply	1
PWR-3900-AC/2	Cisco 3925/3945 AC Power Supply (Secondary PS)	1
CAB-ACE	AC Power Cord (Europe), C13, CEE 7, 1.5M	2
C3900-SPE250/K9	Cisco Services Performance Engine 250 for Cisco 3945E ISR	1
3900-FANASSY	Cisco 3925/3945 Fan Assembly (Bezel included)	1
SM-S-BLANK	Removable faceplate for SM slot on Cisco 2900,3900,4400 ISR	4
WAAS-RTU-2500	WAAS and VWAAS Right to Use for 2500 connections	1
SL-39-DATA-APP-K9	DATA features for 3900 series APP license	1
SL-39-IPB-K9	IP Base License for Cisco 3925/3945	1
HWIC-BLANK	Blank faceplate for HWIC slot on Cisco ISR	3
ISR-CCP-EXP	Cisco Config Pro Express on Router Flash	1
MEM-3900-1GB-DEF	1GB DRAM (512MB+512MB) for Cisco 3925/3945 ISR (Default)	1
MEM-CF-256MB	256MB Compact Flash for Cisco 1900, 2900, 3900 ISR	1
S39EUK9-15501T	Cisco 3925-3945 SPE IOS UNIVERSAL	1

Data centers Access switch

Part Number	Description	Qty
2960S-48TS-L	Cisco Catalyst 48 Ethernet 10/100/1000 ports 4 One Gigabit Ethernet SFP ports	1

Data centers firewall

Statefull Inspection Throughput	10 Gbps +
Concurrent Connections	2,000,000 +
IPsec VPN Tunnels	10,000 +
IPsec VPN Clients	10,000 +
Maximum 3DES/AES IPsec VPN throughput	2 Gbps +
SSL VPN Users	100 +
HTTP Inspection	2 Gbps +
SSL Inspection	2 Gbps +
Interfaces	8-port 10/100/1000, 2-port 10 Gigabit Ethernet (SFP+)
Interfaces Expansion	Modular slot(s) for expansion
Virtual interfaces (VLANs)	100 +
Scalability	VPN clustering and load balancing
High Availability	Active/Active
Redundant Power Supply	YES
Rack mounted	YES
Routing	IPv4: static routing, RIP, OSPF, & BGP. IPv6: RIPng, OSPFv3, & BGP4+
Updates & Support	YES

Remote sites routers

Part Number	Description	Qty
CISCO1841-RF	Modular Router w/2xFE, 2 WAN slots, 64FL/256DR	1