		Enterprise Class - base foundation network capabilities	Advanced-foundation plus addtional network capabilities	Mission Critical - Best in class network capabilities
Distribucción		Cisco Catalyst 9400 series	Cisco Catalyst 9500 series	Cisco Catalyst 9600 series
Acces Switches		Cisco Catalyst 9200 and 9200-L series	Cisco Catalyst 9300 and 9300-L series	Cisco Catalyst 9400 series
WLAN Controller		Cisco Catalyst 9800-40 or Cisco Catalyst 9800-CL	Cisco Catalyst 9800-40 HA SSO pair or N+1	Cisco Catalyst 9800-40 HA pair
APs		Cisco Catalyst 9115AX or 9117AX	Cisco Catalyst 9120AX series	Cisco Catalyst 9130AX Series
Key Capabilities-wired		1/10 Gigabit Ethernet services, MACsec, TrustSec Netflow	1/10 Gigabit Ethernet services, MACsec, TrustSec Netflow, UPOE	1/10/40 Gigabit Ethernet services, MACsec,TrustSec,Netflow,UPOE
Key capabilities-wireless		Wi-Fi 6 (802.11ax), OFDMA, Uplink/Downlink MU-MIMO, BSS Coloring, Target Wake Time (TWT), Apple Features mGig, Cisco CleanAir, Three radios: 2.4 GHz (4x4), 5 GHz (4x4)or(8x8), and BLE	WI-FI 6 (802.11ax),Cisco RF ASIC, Uplink/Downlink MU-MIMO,BSS Coloring, Target Wake Time (TWT), Intelligent Capture ,Container support for applications,Apple Features mGig, Cisco CleanAir,HDX,FRA, Four radios: 2.4 GHz (4x4), 5 GHz (4x4), Cisco RF ASIC, and BLE/IoT hardware capable	Features mGig, Cisco CleanAir, HDX, FRA, Four radios: 2.4 GHz (4x4), 5 GHz (8x8 and 4x4), Cisco RF ASIC, and BLE/IoT hardware capable

Total Usuarios		81

Dispositvos	Referencia	Cantidad	Costo Unitario	Costo total
Switch Accesos	Cisco Catalyst C9200-24T	5,00	4.815.112,36	$24.075.562
Switch Distribución	Cisco Catalyst C9400-LC-24S	2,00	15.388.344,71	$30.776.689
Switch Núcleo	Cisco Catalyst C9400-LC-24XS	2,00	15.388.344,71	30776689,42
Acess point	Aerohive	25,00	4.907.925,00	122.698.125,00
Router	Router ASR 1001 Perimetral	4,00	72.785,63	291.142,52
Firewall	Firepower 4112 Security Appliance	2,00	320.402,39	640.804,78
Servidor				
Switches Core servidores	Cisco Catalyst C9400-LC-24S	2,00	15.388.344,71	30776689,42
Racks				
Patch				
Cable UTP				
Fibra optica				

Dispositvos	Piso 1	Piso 2	Piso 3	Piso4	piso 5	piso 6
Switch Accesos	1	1	1	1		1
Switch Distribución			1	1		
Switch Núcleo			2			
Acess point	S2	S2	S2	S2	S2	S2
Armario	1	1	1	2	1	1
Patch						
Cable UTP	65.29 metros			240 metros	210 metros	220 metros
Fibra Optica	10 metros			20 metros	10 metros	10 metros

	Referencia
Switch Accesos	Cisco Catalyst C9200-24T
Switch Distribución	Cisco Catalyst C9400-LC-24S
Switch Núcleo	Cisco Catalyst C9400-LC-24XS
Firewall	Firepower 4112 Security Appliance
Switches Core servidores	Cisco Catalyst C9400-LC-24S

Costos de los materiales

	Canaletas (metros)	Patch cords (metros)	Cables de distribución (metros)	Cable Precio x Metro	Canales precio	Total
Piso 1	51	21	391	$ 4.117.000		
Piso 2	56,58	17	433,32	$ 10.450		
Piso 4	82	27	1353,334	13803340		