** Byte Builders Device list**

**Mufhumudzi Moshapo**

**Nompumelelo Kgatle**

**Neriah Plaatjies**

**Modiegi Magonare**

**Nkanyezi Madikizela**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Device | Device Make | Device Model | Reason for model | IOS Operating System Installed | Port Information |
| Server Introducing Cisco HyperFlex Systems - Cisco Blogs | Cisco | UCS X-Series Modular System  Introduced March 2023 | delivers rapid scalability and performance to activate data and insights in real time. modular architecture lets right-size infrastructure for the workload and operate with the efficiency and predictable. | Cisco IOS XE | The Cisco UCS 9108 25G IFM provides 8x 25-Gbps SFP28 ports, while the 100G option offers 8x 100-Gbps QSFP ports. |
| Switches Cisco Business CBS350-48FP-4G Managed Switch | 48 Port GE | Full PoE ... | Cisco | Catalyst 9400 10G, 1G SFP+ line cards  Introduced June 2017 | enterprise-class midsize and large campus access networks, provides scalability and performance | Cisco IOS (Internetwork Operating System) | 48 Ports: This switch has 48 Gigabit Ethernet (GE) ports. These ports can be used to connect various devices such as computers, printers, servers, and other networking equipment |
| RoutersMikroTik Cloud Router Switch 48 Port PoE 700W 4SFP+ 2 QSFP+ RBCRS354-4 | Cisco | Catalyst 8300-2N2S-4T2X  2 rack unit, 10G WAN  Introduced June 2024 | loud-native agility, multilayer security, flexible routing, and edge intelligence. | Cisco IOS (Internetwork Operating System) | 48 Gigabit PoE Ports: These ports support both Passive PoE and auto-sensing 802.3af/at PoE. You can connect various devices, including IP phones, access points, and cameras. |
| Access points(WAP)  Cisco Catalyst 9115AXI - Wireless access point - 802.11ac Wave 2 ... | Cisco | Catalyst 9117AX Series Access Points  Introduced March 2019 | provide Wi-Fi connectivity to devices within a specific area  802.11ax (Wi-Fi 6):  , High-Efficiency Wireless (HEW), builds upon 802.11ac.  It delivers a better experience in typical environments and more predictable performance for advanced applications such as 4K or 8K video, high-density collaboration apps, all-wireless offices. | Cisco IOS XE | Port Count: The Cisco Catalyst 9117AX Series access points typically have one Ethernet port for connecting to the wired network infrastructure. This port can be used for both data traffic and power (Power over Ethernet, or PoE).  Port Speed: The port speed depends on the specific model and configuration. However, most Cisco Catalyst 9117AX Series access points support Gigabit Ethernet (1 Gbps) for wired connectivity. |
| Multilayer Switch Cisco Catalyst 3560E 24 Port Gb 10/100/1000 Switch WS-C3560E-24TD-S V | Cisco | Cisco MDS 9300 Series Multilayer Fabric Switches  Introduced June 2019 | High Performance and Flexibility at Lower Cost, High-Availability Platform for Mission-Critical Deployments. | Cisco NX-OS Software | 48 ports  operate at different speeds, including 10/100 Mbps (Fast Ethernet), 1 Gbps (Gigabit Ethernet), and even 10 Gbps (10 Gigabit Ethernet) |
| IP Phones Cisco VOIP Phone – Ednology Marketplace | Cisco | Cisco VOIP Phone 7942CP794 | Locally stored and network-based directories  Conference calling and multiparty calls Call park  Call blocking feature. | CUCME | Phone Port: This port connects the phone to the network (usually via an Ethernet cable). It supports 10/100 Mbps (Fast Ethernet) speed.  PC Port (Pass-Through Port): The phone also has a built-in switch with a pass-through port. You can connect your PC or other network device to this port. However, note that the PC port operates at the same 10/100 Mbps speed as the phone port |
| Cameras Câmera IP Dome Full HD Lente de 4mm com IR 30m DS-2CD2120F-IS Hikvision ... | HIKVISION | HIKVISION Wifi Wireless Ip Security Camera 360 Degree 1080P Hd Activity Alert Ethernet | Monitor all activities of the airport  This camera provides a full 360-degree view, allowing you to monitor an entire room without blind spots  Connectivity: It supports both Wi-Fi and Ethernet (wired) connection | operates using specialized firmware designed specifically for security cameras | 1080P HD resolution |
| Biometric door Face Recognition Fingerprint Airport Turnstile Airport Swing Gates With ... | DOOR | DR.TD.6634 | Secure Access Control  Enhanced Identity Verification |  | 50/60Hz |
| Fiber |  | multi mode fiber  1.25g LC Bi-Directional (20km) | Physical connection between the two buildings  Uses thin glass strands and lasers for light generation. Ideal for long-distance communication |  |  |