



*H. Cámara de Senadores  
Provincia de Buenos Aires*

## **ESPECIFICACIONES TECNICAS**

### **Renglón 1:**

**Border Switch UNIFI de 16 puertos POE+ de 150W**

**Marca: Ubiquiti**

**Modelo: US-16-150W o similar**

**Cantidad: 20**

**Características Técnicas:**

- (16) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 18 Gbps
- Switching Capacity: 36 Gbps
- Forwarding Rate: 26.78 Mpps
- Maximum Power Consumption: 150W
- Supports PoE+ IEEE 802.3at/af and 24V Passive PoE
- Rack-Mountable or Wall-Mountable with Rack-Mount Brackets (Included)

### **Renglón 2:**

**Core Switch UNIFI de 24 puertos POE+ de 250W**

**Marca: Ubiquiti**

**Modelo: US-24-250W o similar**

**Cantidad: 3**

**Características Técnicas:**

- (24) Gigabit RJ45 Ports
- (2) SFP Ports
- (1) Serial Console Port
- Non-Blocking Throughput: 26 Gbps
- Switching Capacity: 52 Gbps
- Forwarding Rate: 38.69 Mpps
- Maximum Power Consumption: 250W
- Supports PoE+ IEEE 802.3at/af and 24V Passive PoE
- Rack-Mountable



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**Reglón 3:**

**Access Point AP Pasillo-Oficinas**

**Marca: Ubiquiti**

**Modelo: Unifi UAP-AC-PRO o similar**

**Cantidad: 75**

**Características Técnicas:**

Dimensions 196.7 x 196.7 x 35 mm (7.74 x 7.74 x 1.38")

Networking Interface (2) 10/100/1000 Ethernet Ports

Port (1) USB 2.0 Port

Buttons Reset

Power Method Passive Power over Ethernet (48V), 802.3af/802.3at Supported  
(Supported Voltage Range: 44 to 57VDC)

Power Supply UniFi Switch (PoE)

Power Save Supported

Maximum Power Consumption 9W

Maximum TX Power

2.4 GHz 22 dBm

5 GHz 22 dBm

Antennas (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 3 dBi

Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac

Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2,  
TKIP/AES)

BSSID Up to 8 per Radio

Mounting Wall/Ceiling (Kits Included)

Operating Temperature -10 to 70° C (14 to 158° F)

Operating Humidity 5 to 95% Noncondensing

Certifications CE, FCC, IC

Advanced Traffic Management

VLAN 802.1Q

Advanced QoS Per-User Rate Limiting

Guest Traffic Isolation Supported

WMM Voice, Video, Best Effort, and Background

Concurrent Clients 250+

**Supported Data Rates (Mbps)**

802.11ac 6.5 Mbps to 1300 Mbps (MCS0 - MCS9 NSS1/2/3, VHT 20/40/80)

802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)

802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11b 1, 2, 5.5, 11 Mbps



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**Reglón 4:**

**Access Point AP Salones (Dorado, Cafiero, Pasos Perdidos, Bloque FDT)**

**Marca: Ubiquiti**

**Modelo: Unifi UAP-AC-HD o similar**

**Cantidad: 5**

**Características Técnicas:**

Dimensions 220 x 220 x 48.1 mm (8.66 x 8.66 x 1.89")

Networking Interface (2) 10/100/1000 Ethernet Ports

Buttons Reset

Power Method 802.3at PoE+

Supported Voltage Range 44 to 57VDC

Power Supply UniFi Switch (PoE)

Power Save Supported

Beamforming Supported

Maximum Power Consumption 17W

TX Power

2.4 GHz 6-25 dBm

5 GHz 6-25 dBm

Antennas

2.4 GHz

5 GHz

(2) Dual-Port, Dual-Polarity Antennas, 3 dBi each

(2) Dual-Port, Dual-Polarity Antennas, 4 dBi each

Wi-Fi Standards 802.11 a/b/g/n/r/k/v/ac/ac-wave2

Wireless Security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)

802.11w/PMF

BSSID Up to 8 per Radio

Mounting Wall/Ceiling (Kits Included)

Operating Temperature -10 to 70° C (14 to 158° F)

Operating Humidity 5 to 95% Noncondensing

Certifications CE, FCC, IC

Advanced Traffic Management

VLAN 802.1Q

Advanced QoS Per-User Rate Limiting

Guest Traffic Isolation Supported

WMM Voice, Video, Best Effort, and Background

Concurrent Clients 1000+

**Supported Data Rates (Mbps)**

802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps



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802.11n 6.5 Mbps to 450 Mbps (MCS0 - MCS23, HT 20/40)  
802.11ac 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80)  
58 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 160)  
802.11b 1, 2, 5.5, 11 Mbps  
802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps

**Reglón 5:**

**Conectores de Fibra**

**Marca: Mikrotik**

**Modelo: S-31dlc20d 1.25g Sfp Sm Lc Connector 20km 1310nm o similar**

**Cantidad: 8**

**Características Técnicas:**

Product code S-31DLC20D

Connector Dual LC UPC

Data Rate 1.25G

Distance 20KM

Format SFP

MTBF Approximately 100'000 hours at 25C

Mode SM

Tested ambient temperature -40 to +70C

Wavelength 1310nm