

# ANEXO CONVOCATORIA

## 10/2023

### RENGLONES

| Renglón | Especificación Técnica   | Imagen |
|---------|--|--------|
| 1       | Patch Panel Cat 6 24 Puertos Rackeable<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 2       | Ficha RJ45 Cat 5e<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)   |        |
| 3       | Ficha RJ45 Cat 6<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 4       | Canal de Tensión 5 tomas C/térmica<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 5       | Rack MURAL 6U - 500 mm - 19" Pta. Crist./4soportes<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 6       | Cable UTP Cat. 6 Interior x 305 m  |        |
| 7       | Cable UTP Cat. 6 Exterior Doble Vaina x 305 m<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)   |        |
| 8       | Cable UTP Cat. 5e Interior x 305 m<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 9       | Cable UTP Cat. 5e Exterior Doble Vaina x 305 m<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 10      | Access Point Indoor/Outdoor Wifi 6 Mesh Dimensions Ø48.5 x 159.5 mm (Ø1.9 x 6.28") Weight 400 g (0.88 lb) Enclosure material Plastic, aluminum Mount materials Plastic Weatherproofing IPX5 Hardware Networking interface (1) GbE RJ45 port Management interfaces Ethernet Bluetooth Power method PoE Power supply 48V, 0.32A PoE adapter (included) Supported voltage range 44?57V DC Max. power consumption 11.4W Max. TX power 2.4 GHz 5 GHz 22 dBm 26 dBm MIMO 2.4 GHz 5 GHz 2 x 2 (UL MU-MIMO) 4 x 4 (DL/UL MU-MIMO) Throughput rate 2.4 GHz 5 GHz 573.5 Mbps 4.8 Gbps Antenna gain 2.4 GHz 5 GHz 3 dBi 5 dBi LEDs White/blue Button Factory reset Mounting Wall, desktop, pole mount (Included) Ceiling mount (Optional) Operating temperature -30 to 60° C (-22 to 140° F) Operating humidity 5 to 95% noncondensing Certifications CE, FCC, IC Software WiFi standards 802.11a/b/g WiFi 4/WiFi 5/WiFi 6 Wireless security WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3) BSSID 8 per radio VLAN 802.1Q Advanced QoS Per-user rate limiting Guest traffic isolation Supported Concurrent clients 300+ Zero wait DFS Yes* *Supported with upcoming firmware versions Supported Data Rates 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n (WiFi 4) 6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40) 802.11ac (WiFi 5) 6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160) 802.11ax (WiFi 6) 7.3 Mbps to |        |

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| 10      | 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 11      | Cable HDMI 15 metros<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)   |        |
| 12      | Herramientas Cableado Red (Pinza Crimpeadora RJ45 + Pela cable + Tester)<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)   |        |
| 13      | 10/100/1000M Dual fiber.SM Media Converter.1310nm.20km SC CARACTERÍSTICAS ? Trabaja a 1000Mbps en modo Full-Dúplex para los puertos TX y FX. ? Es compatible con el auto MID / MID-X para el puerto TX. ? Proporciona configuración del switch del modo fuerza/auto de transferencia de puertos FX. ? Amplía la distancia de fibra de hasta 20 km. ? Fácil de ver los indicadores LED que proporcionan el estado para supervisar fácilmente la actividad de la red. ? Fuente de alimentación externa. GLC-MC-006 10/100/1000M Dual fiber, SM Media Converter,1310nm,20km SC Código Descripción HARDWARE Estándares y Protocolos. ? IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x. Función Básica. Puertos. ? Control de flujo full-dúplex (IEEE 802.3x). ? Amplía la distancia de fibra de hasta 10 km. ? 1 puerto SC 1000M. ? 1 puerto RJ45 1000M (Auto MDI / MDIX). Longitud de Onda ? 1310nm. Medios de Red 100BASE-T. ? Cable 5, 5e categoría UTP (máximo 100m). ? EIA/TIA-568 100? STP (máximo 100m). Medios de Red 100BASE-FX. ? Un solo módulo de fibra. Medios de Red 1000BASE-FX. ? Fibra mono modo. Medios de Red 1000BASE-T. ? UTP categoría 5, cable 5e (máximo 100 m). ? EIA/TIA-568 100? STP (máximo 100 m). Indicadores LED. ? PWR, LINK, RX. Suministro de Energía Eléctrica. ? Adaptador externo de energía. Seguridad y Emisión. ? FCC, CE. Ambiente. ? Temperatura de funcionamiento: 0°C ~ 40°C (32°C ~ 104°C). ? Temperatura de almacenamiento: -40°C ~ 70°C (-40°C ~ 158°C). ? Humedad: 10% ~ 90% sin condensación. ? Humedad de almacenamiento: 5% ~ 90% sin condensación.<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO) |        |
| 14      | Proyector Wxga Hdmi Vga 3800 Lm Conexiones de entrada: HDMI, VGA, RS232C, Video - RCA, USB mini-B, Jack 3.5 mm. Conexiones de salida: VGA, Jack 3.5 mm. Consumo energético de 260W. Resolución nativa: 1280px x 800px. Soporta resoluciones WXGA. Tecnología de proyección DLP. Relación de contraste 22000:1. Proyecta imagen de 30" - 300". Incluye control remoto.<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)  |        |
| 15      | Access Point 2.4/5.8 Ghz , Alta Densidad, indoor/outdoor Mechanical Dimensions Ø220 x 48.1 mm (Ø8.7 x 1.9") Weight Without mount: 700 g (1.5 lb oz) With mount: 830 g (1.8 lb) Hardware Networking interface (2) GbE RJ45 ports Power method PoE+ Power supply Gigabit PoE adapter 48V DC, 0.5A Supported voltage range 44?57 VDC Max. power consumption 17W Max. TX power 2.4 GHz 5 GHz 25 dBm 25 dBm MIMO 2.4 GHz 5 GHz 4 x 4 x 4 Throughput rate 2.4 GHz 5 GHz 800 Mbps 1733 Mbps Antenna gain 2.4 GHz 5 GHz 3 dBi 4 dBi Button Factory reset Mounting Wall/ceiling (Included) Operating temperature -10 to 70° C (14 to 158° F) Operating humidity 5 to 95% noncondensing Certifications CE, FCC, IC Software WiFi standards 802.11a/b/g/n/ac/ac-Wave2 Wireless security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES) BSSID Up to 8 per radio VLAN 802.1Q Advanced QoS Per-user rate limiting Power save Supported Guest traffic isolation Supported WMM Supported Concurrent clients 500+ Supported Data Rates (Mbps) 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24,  |        |

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| 15      | 36, 48, 54 Mbps 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)<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO)   |        |
| 16      | Equipo Router+Controller+AP+switch PoE Mechanical<br>Dimensions Ø110 x 184.1 mm (Ø4.33 x 7.3") Weight 1.2 kg (2.5 lb)<br>Enclosure material Polycarbonate Hardware Processor Dual-core Arm® Cortex® A53 at 1.35 GHz System memory 2 GB Expansion slot Micro SD memory card* (Optional)<br>*Requires a memory card with at least 128 GB of storage.<br>Management interface Ethernet Bluetooth Networking interface (4) LAN: GbE RJ45 ports (1) WAN: GbE RJ45 port PoE interface (2) PoE Power method Universal AC input, 100?240V AC, 1.1A Max., 50/60 Hz Power supply AC/DC, internal, 50W Supported voltage range 100?240V DC Max. power consumption 19.37W (Excluding PoE output) PoE budget 32W Max. PoE wattage per port by PSE 15.4W Voltage range PoE mode 44?57V DC Max. TX power 2.4 GHz 5 GHz 26 dBm 26 dBm MIMO 2.4 GHz 5 GHz 4 x 4 x 4 Throughput rate 2.4 GHz 5 GHz 600 Mbps 2.4 Gbps Antenna gain 2.4 GHz 5 GHz 3.4 dBi 4.3 dBi Antenna (1) Internal, dual-band, quad-polarity antenna LCM display (1) 0.96" screen Button Factory reset LEDs White/blue Operating temperature -10 to 45° C (14 to 113° F) Operating humidity 5 to 95% noncondensing Certifications CE, FCC, IC Gateway Features Performance WiFi QoS Application, domain, and country-based QoS Application and device type identification Additional internet failover with LTE Backup Internet quality and outage reporting Next-generation security Application-aware firewall rules Signature-based IPS/IDS threat detection Content, country, domain, and ad filtering VLAN/subnet-based traffic segmentation Full stateful firewall Advanced networking License-free SD-WAN WireGuard, L2TP and OpenVPN server OpenVPN client OpenVPN and IPsec site-to-site VPN One-click Teleport and UID VPN Policy-based WAN and VPN routing DHCP relay Customizable DHCP server IGMP proxy IPv6 ISP support Software WiFi standards 802.11a/b/g WiFi 4/WiFi 5/WiFi 6 Wireless security WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3) BSSID 8 per radio VLAN 802.1Q Advanced QoS Per-user rate limiting Guest traffic isolation Supported Concurrent clients 300+ Supported Data Rates 802.11a 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b 1, 2, 5.5, 11 Mbps 802.11g 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n (WiFi 4) 6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40) 802.11ac (WiFi 5) 6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160) 802.11ax (WiFi 6) 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)<br>Cotizar con entrega en Rectorado(Zapiola 362 (2760) SAN ANTONIO DE ARECO) |        |