

ESPECIFICACIÓN TÉCNICA

REDBOX

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Las especificaciones técnicas del REDBOX se detallan a continuación:

ESPECIFICACIONES TECNICAS REDBOX			
ÍTEM	PARÁMETRO	PARÁMETRO SOLICITADO	PARÁMETRO GARANTIZADO
1	Fabricante	Especificar	
2	Modelo	Especificar	
3	País de Origen	Especificar	
4	Año de Fabricación	No menor al año de suscripción del contrato	
5	Cantidad	3	
6	Arquitectura	Modular	
7	Puertos	20 puertos ethernet 10/100/1000, con capacidad de expansión hasta 28 puertos	
8	Alimentación	DUAL 100 a 240 Vac 50 /60 Hz, 40 a 60 VDC	
9	Gestionable	SI	
10	Manejo Vlan	SI	
11	Funcionalidades Capa 2	Independent VLAN Learning, Fast Aging, Static Unicast/Multicast Address Entries, QoS / Port Prioritization (802.1D/p), TOS/DSCP Prioritization, Interface	

		Trust Mode, CoS Queue Management, Queue-Shaping / Max. Queue Bandwidth, Flow Control (802.3X), Egress Interface Shaping, Ingress Storm Protection, Jumbo Frames, VLAN (802.1Q), VLAN Unaware Mode, Voice VLAN, IGMP Snooping/Querier per VLAN (v1/v2/v3), Unknown Multicast Filtering, Multiple VLAN Registration Protocol (MVRP), Multiple MAC Registration Protocol (MMRP), Multiple Registration Protocol (MRP), Password change on first login IP Ingress DiffServ Classification and Policing, Protocol-based VLAN, GARP VLAN Registration Protocol (GVRP), MAC-based VLAN, IP subnet-based VLAN, GARP Multicast Registration Protocol (GMRP)	
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12	Funcionalidades capa 3	IP/UDP Helper, Full Wire-Speed Routing, Port-based Router Interfaces, VLAN-based Router Interfaces, Loopback Interface, ICMP Filter, Net-directed Broadcasts, OSPFv2, RIP v1/v2, ICMP Router Discovery (IRDP), Static Unicast Routing, Proxy ARP, Static Route Tracking	
13	Redundancia	Link Aggregation with LACP, Link Backup, Media Redundancy Protocol (MRP) (IEC62439-2), RSTP 802.1D-2004 (IEC62439-1), RSTP Guards HIPER-Ring (Ring Switch), HIPER-Ring over Link Aggregation, MRP over Link Aggregation, Redundant Network Coupling, Sub Ring Manager, MSTP (802.1Q) VRRP, VRRP Tracking, MRP (IEC62439-2), High Availability Seamless Redundancy Protocol (HSR) (IEC62439-3), Parallel Redundancy Protocol (PRP) (IEC62439-3)	

14	Gestión	Dual Software Image Support, TFTP, SFTP. SCP. LLDP (802.1AB), LLDP-MED, SSHv2, puerto native consola, HTTP, HTTPS, Traps, SNMP v1/v2/v3, Telnet DNS Client	
15	VLAN	Compatibilidad con hasta 256 VLAN simultáneas (de 4096 ID de VLAN). 16 VLAN VLAN basadas en puertos y en etiquetas 802.1Q	
16	Seguridad	MAC-based Port Security, Port-based Access Control with 802.1X, Guest/unauthenticated VLAN, Integrated Authentication Server (IAS), RADIUS VLAN Assignment, Denial-of-Service Prevention, VLAN-based ACL, Ingress VLAN-based ACL, Basic ACL, Access to Management restricted by VLAN, Device Security Indication, Audit Trail, CLI Logging, HTTPS Certificate Management, Restricted Management	

		Access, Appropriate Use Banner, Configurable Password Policy, Configurable Number of Login Attempts, SNMP Logging, Multiple Privilege Levels, Local User Management, Remote Authentication via RADIUS, User Account Locking RADIUS Policy Assignment, Multi-Client Authentication per Port, MAC Authentication Bypass, DHCP Snooping, Dynamic ARP Inspection, LDAP, Ingress MAC-based ACL, Ingress IPv4-based ACL, Time-based ACL, ACL Flow-based Limiting	
17	Sincronización de Tiempo	PTPv2 Transparent Clock two-step, PTPv2 Boundary Clock, Buffered Real Time Clock, SNTP Client, SNTP Server	
18	Montaje	Riel din	