

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



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- ڊاڪيومينٽ نمبر: ڊاڪيومينٽ نمبر (28 ڊاڪيومينٽ نمبر 2023 وٽ ڊاڪيومينٽ نمبر ڊاڪيومينٽ نمبر)
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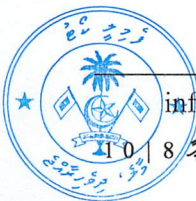
POE Network Switch 48 Port (48*10/100/1000BASE-T ports, 4*GE SFP ports, PoE+, AC power)

Quantity: 3

**NOTE: Supplier has to be Authorized Dealer of the Product
One Years Product and Support Should be Included**

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Switch Specifications	
Fixed port	48 x 10/100/1000Base-T ports(PoE+), 4 x GE SFP ports
Forwarding performance:	78 Mpps
Switching capacity:	104 Gbps/520 Gbps*
Chassis height	1U
Power supply type	Built-in AC power
Surge protection specification (service port)	±7 kV in common mode
Heat dissipation	Air-cooled heat dissipation and intelligent speed adjustment
MAC address table	MAC address learning and aging 32k MAC entries(MAX) Static, dynamic, and blackhole MAC address entries Packet filtering based on source MAC addresses Interface-based MAC learning limiting
VLAN features	4K VLANs voice VLAN MUX VLAN VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and interfaces VLAN Stacking



Ethernet loop protection	RRPP ring topology and RRPP multi-instance Smart Link tree topology and Smart Link multi-instance, providing millisecond-level protection switchover SEP ERPS (G.8032) STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s) BPDU protection, root protection, and loop protection, BPDU tunnel LLDP, LLDP-MED
Multicast	PIM DM, PIM SM, PIM SSM IGMPv1/v2/v3, IGMPv1/v2/v3 snooping, MLD snooping Multicast load balancing among member ports of a trunk Interface-based multicast traffic statistics Multicast VLAN
IP routing	Static route, RIP, RIPng, OSPF, OSPFv3 , VRRP , VRRP6, Routing Policy , Policy-Based Routing Up to 4096 FIBv4 entries(MAX) Up to 1024 FIBv6 entries(MAX)
IPv6 features	Up to 1024 ND entries (MAX) Path MTU (PMTU) IPv6 ping, IPv6 tracert, and IPv6 Telne
Reliability	LACP VRRP BFD LLDP
QoS/ACL	2K rules per IPv4 ACL 2K rules per IPv6 ACL Rate limiting on packets sent and received by an interface Packet redirection Interface-based traffic policing and two-rate and three-color CAR Eight queues on each interface DRR, SP, and DRR+SP queue scheduling algorithms Re-marking of the 802.1p priority and DSCP priority Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID Rate limiting in each queue and traffic shaping on interfaces Network Slicing (VLAN)
Security	Hierarchical user management and password protection DoS attack defense, ARP attack defense, and ICMP attack defense Binding of the IP address, MAC address, interface number, and VLAN ID Port isolation, port security, and sticky MAC Blackhole MAC address entries Limit on the number of learned MAC addresses IEEE 802.1x authentication and limit on the number of users on an interface AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC SSH V2.0 Hypertext Transfer Protocol Secure (HTTPS) CPU defense Blacklist and whitelist DHCP client, DHCP relay, DHCP server, DHCP snooping DHCPv6 client, DHCPv6 relay



Super Virtual Fabric (SVF)	Working as an SVF client that is plug-and-play with zero configuration Automatically loading the system software packages and patches of SVF clients Automatically delivering service configurations in a one-click manner Independent running of SVF clients
Management and maintenance	iStack iStack Cloud management based on Netconf/Yang Virtual Cable Test (VCT) Remote configuration and maintenance using Telnet SNMPv1/v2/v3 RMON eSight and web-based NMS HTTPS LLDP/LLDP-MED System logs and multi-level alarms 802.3az EEE IFIT Port Mirroring Registration Center Deploymen System logs and multi-level alarms 802.3az EEE
Cloud Management	connect iMaster NCE[1]Campus with license
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST) Supports LNP (Similar to DTP) Supports VCMP (Similar to VTP)
Warranty	One Years Product and Support Included

procurement@familycourt.gov.mv 3340085 3325502

