WD32Q28-2A6F 100G Switch

WD32Q28-2A6F 100G switch is the latest generation of 100G data center switch. It is specially designed for the new generation data center and are positioned at the eor100G convergence of the new generation data center. WD32Q28-2A6F switch support rich data center features, such as vxlan, evpn, NETCONF, telemetry, open flow, etc.

WD32Q28-2A6F

Specifications

Item	WD32Q28-2A6F
Port	32 *100G QSFP28 ports
Switch capacity	6.4T/102.4Tbps
Packet forwarding rate	3200Mpps
Data center	Support vxlan: static vxlan tunnel, vxlan routing, vxlan bridging, DCI, etc Support evpn: MP-BGP to automatically discover, negotiate and create vxlan tunnel; Extended nlri supports MAC / ARP / prefix synchronization Support mlag: automatically synchronize ARP and MAC, and support linkage STP Support telemetry: support grpc, CPU and memory live monitoring; Support interface data statistics and live monitoring Support NETCONF: support SSH access, Yang model and sysrepo database; It supports configuring VLAN, configuring BGP and obtaining interface statistics through NETCONF Support RDMA, roce, lossless Ethernet, PFC, ETS, ECN Support Trill and VEPA Support openflow / SDN software to define network Support VSF device virtualization
VLAN	Support private VLAN, IP subnet VLAN, protocol VLAN, voice VLAN, MAC VLAN, super VLAN and guest VLAN Support selective QinQ and flexible QinQ
STP	Support 802.1D（STP）、802.1W（RSTP）、802.1S（MSTP） Support BPDU Guard、ROOT Guard、BPDU Tunnel
multicast	Support IGMP V1 / V2 / V3, IGMP snooping and IGMP query Support GMRP, DVMRP, PIM-SM / pim-smv6, PIM-DM / pim-dmv6, pim-ssm / pim-ssmv6 Supports IPv6 Multicast over IPv4 tunnel Support IPv4 / IPv6 Multicast VLAN Support IPv4 / IPv6 DCSM controlled multicast Support MSDP multicast source discovery protocol Supports IPv4 / IPv6 anycast RP Support mldv1 / V2, MLD snooping
Router	Support rip / RIPng, OSPF / OSPFv3, Isis / isv6, BGP / BGP4+ Support IPv4 / IPv6 PBR policy routing Support IPv4 / IPv6 ECMP equivalent routing Support IPv4 / IPv6 URPF unicast reverse path forwarding
IPv6	Support nd neighbor discovery Support path MTU Support IPv6 Ping / tracert Support manual configuration of tunnel, 6to4 tunnel, ISATAP tunnel, 6to4 tunnel relay, IPv4 GRE tunnel, IPv4 over IPv6

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QoS	Supports in/out policymap Support swrr, SP, WRR, dwrr, sdwrr and wred queue scheduling algorithms Support export supervision and export rewriting
ACL	Support IPv4 / IPv6 in/out ACL Support ACL dynamic modification Support ACL based traffic statistics Support ACL based redirection
Aggregation	Support load balancing based on source MAC, destination MAC, source / destination MAC, source IP, destination IP and source / destination IP
DHCP	Support IPv4 / IPv6 DHCP server / relay / snooping / client Support DHCP Raley option 43 / 60 / 82 Support DHCPv6 Raley option 37 / 38 Support IPv6 SAVI
Mirror	Support one-to-one and many to one port mirroring Support data stream mirroring Support CPU mirroring Support rspan remote mirroring Support for erspan enhanced remote mirroring
MPLS VPN	Support MPLS Support VPLS Support MCE Support MPLS QoS
Reliability	Support multiple img redundancy and multiple profiles Support VRRP / vrrpv3 Support MRPP ring network Support BFD Support GR graceful restart Support ulpp uplink detection
Security	Support port isolation Support ARP anti scanning, ARP speed limit and ARP guard Support nd snooping Support CPU protection Support chip based anti DoS attack Support 802.1x Support web portal Supports IPv4 / IPv6 radius Support IPv4 / IPv6 TACACS+
Management	Support IPv4 / IPv6 SSH, IPv4 / IPv6 Telnet, IPv4 / IPv6 http Support am Support IPv4 / IPv6 SNMP V1 / V2 / V3 Support IPv4 / IPv6 syslog system log Support configuration hierarchical management Support fast on-off detection of Fastlink port Support 802.3ah Ethernet OAM Support IPv4 / IPv6 sFlow Support ipfix Support IPv4 / IPv6 SNTP / NTP

Chassis (L*D*H)	438.4mm X 515mm X 44mm
Power	Support AC power module Support hot plug, 1 + 1 redundancy Rated voltage range: 100V ~ 240V AC, 50 / 60Hz Maximum voltage range: 90V ~ 264v AC, 47 / 63Hz
Power Waste	≤336W
Weight	10.87kg (fully equipped with 2 power supplies and 6 fans)
working temperature	0℃~50℃

Ordering

Model	Description
WD32Q28-2A6F	The new generation data center 100G routing switch (32*100G QSFP28 ports), and the host is equipped with 2 power supplies (1 + 1 redundancy) and 6 fans (5 + 1 redundancy)