	E580-20Q4	4Z Hardware Summary
1. Basic		
Product Name		E580-20Q4Z
Product Positioning		Data Center TON access, Enterprise & Metro network access of
Switching Method		Store and Forwarding
CPU Model/ Frequency		PowerPC P1010 533MHz
Flash		2GB (NAND)
		1GB
Memory		20x40GE QSFP+
Ma	ain Board Spec	
110	alink Natwork Sub Card	4x100GE QSFP28
	blink Network Sub Card	Not Support
Hardware Configuration		RJ45
	utband Eth Management Port	
	band Eth Management Port	Support
	SB Ports	Support
2. Performance Spec		
Switching Capacity		2.4Tbps (20x40GE + 4x100GE)
3. Hardware and Software D	Description	
		 Standard 1U 19" rack mountable
Hardware Architecure		 4x10GE SFP+ Ethernet Port (Combo)
naruware Architecure		 20x40GE QSFP+ Ethernet Port
		 4x100GE QSFP28 Ethernet Port
If Uplink network card supp	ort hot plug ?	-
Software upgrade method		Through TFTP/FTP/WEB
Service interruption time when reboot system for		
software update		less than 120s
4. The Power Supply and Po	ower Requirements	
AC	0	Support
Type of Power Supply		Support
		Operating Voltage: 100 ~ 240V; 50/60Hz
AC		Maximum Voltage: 90 ~ 264V; 47~63Hz
Power supply range		
DC	C	Operating Voltage: 36 ~ 75Vdc Input
Double Power Input ?		Support
The power supply module is	s pluggable ?	Support
Typical/Max Power Draw		120W / 160W
5. Overcurrent and overvolta	age protection	
Whether the equipment inst		
overvoltage protector ?		Yes
Surge protection level		4 KV
6. Others		
		$4.36 \times 44.0 \times 47.0 \text{ cm} (1.73 \times 17.5 \times 19.5 \text{ in})$
Hardware Size (H×W×D) in.		4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.)
Weight (kg)		8.3kg (include One PSU)
Cooling Mode		Fan cooling (Front-to-Rear airflow)
Noise		< 50 dB
Quality of Fans		4 (3 + 1 Backup)
Whether to support the fan module pluggable?		Support
Whether to support the fan		
-		Support
Whether to support the fan	t speed control function ?	





	E580-48X2	Q4Z Hardware Summary			
1. Basic					
Product Name		E580-48X2Q4Z			
Product Positioning		Data Center TOR access, Enterprise & Metro network access or aggregation			
Switching Method		Store and Forwarding			
CPU Model/ Frequency		PowerPC P1010 533MHz			
Flash		2GB (NAND)			
Memory		1GB			
	Main Board Spec	48x10GE SFP+ + 2x40GE QSFP+ + 4x100GE QSFP28			
	Uplink Network Sub Card	Not Support			
Hardwara Configuration	Console Type	RJ45			
Hardware Configuration	Outband Eth Management Port	1 RJ45 GE Eth port			
	Inband Eth Management Port	Support			
	USB Ports	Support			
2. Performance Spec					
Switching Capacity		1.92Tbps (48x10GE + 2x40GE + 4x100GE)			
3. Hardware and Softwar	e Description				
		 Standard 1U 19" rack mountable 			
		48x10GE SFP+ Ethernet Port			
Hardware Architecure		2x40GE QSFP+ Ethernet Port			
		 4x100GE QSFP28 Ethernet Port 			
If Uplink network card su	ipport hot plug ?	-			
Software upgrade method		Through TFTP/FTP/WEB			
Service interruption time when reboot system for		la sa than 400s			
software update		less than 120s			
4. The Power Supply and	Power Requirements				
	Power Requirements	Support			
4. The Power Supply and Type of Power Supply	AC				
	AC DC	Support			
	AC	Support Operating Voltage: 100 ~ 240V; 50/60Hz			
	AC DC	Support			
Type of Power Supply	AC DC	Support Operating Voltage: 100 ~ 240V; 50/60Hz			
Type of Power Supply Power supply range	AC DC AC	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input			
Type of Power Supply Power supply range Double Power Input ?	AC DC AC DC	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ?	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i	AC DC AC DC e is pluggable ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others	AC DC AC DC DC le is pluggable ? roltage protection nstallation overcurrent,	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D)	AC DC AC DC DC le is pluggable ? roltage protection nstallation overcurrent,	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.)			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg)	AC DC AC DC DC le is pluggable ? roltage protection nstallation overcurrent,	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU)			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D)	AC DC AC DC DC le is pluggable ? roltage protection nstallation overcurrent,	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow)			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg) Cooling Mode Noise	AC DC AC DC DC le is pluggable ? roltage protection nstallation overcurrent,	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow) < 50 dB			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg) Cooling Mode Noise Quality of Fans	AC DC AC DC e is pluggable ? roltage protection nstallation overcurrent,	Support Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow) < 50 dB 4 (3 + 1 Backup)			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg) Cooling Mode Noise Quality of Fans Whether to support the f	AC DC AC DC le is pluggable ? roltage protection nstallation overcurrent, in.	Support Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow) < 50 dB 4 (3 + 1 Backup) Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg) Cooling Mode Noise Quality of Fans Whether to support the far	AC DC AC DC e is pluggable ? roltage protection nstallation overcurrent, in. an module pluggable? ent speed control function ?	Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow) < 50 dB 4 (3 + 1 Backup) Support Support			
Type of Power Supply Power supply range Double Power Input ? The power supply modul Typical/Max Power Draw 5. Overcurrent and overv Whether the equipment i overvoltage protector ? Surge protection level 6. Others Hardware Size (H×W×D) Weight (kg) Cooling Mode Noise Quality of Fans Whether to support the f	AC DC AC DC e is pluggable ? roltage protection nstallation overcurrent, in. an module pluggable? ent speed control function ?	Support Support Operating Voltage: 100 ~ 240V; 50/60Hz Maximum Voltage: 90 ~ 264V; 47~63Hz Operating Voltage: 36 ~ 75Vdc Input Support Support 160W / 200W Yes 4 KV 4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.) 8.3kg (include One PSU) Fan cooling (Front-to-Rear airflow) < 50 dB 4 (3 + 1 Backup) Support			

	E580-48X	6Q Hardware Summary			
1. Basic					
Product Name		E580-48X6Q			
Product Positioning		Data Center TOR access, Enterprise & Metro network access or aggregation			
Switching Method		Store and Forwarding			
CPU Model/ Frequency		PowerPC P1010 533MHz			
Flash		2GB (NAND)			
Memory		1GB			
	Main Board Spec	48x10GE SFP+ + 6x40GE QSFP+			
	Uplink Network Sub Card	Not Support			
	Console Type	RJ45			
Hardware Configuration	Outband Eth Management Port	1 RJ45 GE Eth port			
	Inband Eth Management Port	Support			
	USB Ports	Support			
2. Performance Spec					
Switching Capacity		1.44Tbps (48x10GE + 6x40GE)			
3. Hardware and Softwar	e Description				
		Standard 1U 19" rack mountable			
Hardware Architecure		 48x10GE SFP+ Ethernet Port 			
		 6x40GE QSFP+ Ethernet Port 			
If Uplink network card su	pport hot plug ?	-			
Software upgrade metho	d	Through TFTP/FTP/WEB			
Service interruption time	when reboot system for				
software update	-	less than 120s			
4. The Power Supply and	Power Requirements				
AC		Support			
Type of Power Supply	DC	Support			
	AC	Operating Voltage: 100 ~ 240V; 50/60Hz			
Power supply range		Maximum Voltage: 90 ~ 264V; 47~63Hz			
	DC	Operating Voltage: 36 ~ 75Vdc Input			
Double Power Input ?		Support			
The power supply modul		Support			
Typical/Max Power Draw		150W / 190W			
5. Overcurrent and overv Whether the equipment i					
overvoltage protector ?	installation overcurrent,	Yes			
Surge protection level		4 KV			
6. Others					
Hardware Size (H×W×D)	in	4.36 x 44.0 x 47.0 cm (1.73 x 17.5 x 18.5 in.)			
Weight (kg)		8.3kg (include One PSU)			
Cooling Mode		Fan cooling (Front-to-Rear airflow)			
Noise		< 50 dB			
Quality of Fans		4 (3 + 1 Backup)			
Whether to support the fa	an module pluggable?	Support			
	ent speed control function ?	Support			
Operating Temperature F	Range	Operating temperature: 0 to 45 °C			

	E580-32X	2Q Hardware Summary			
1. Basic					
Product Name		E580-32X2Q			
Product Positioning		Data Center TOR access, Enterprise & Metro network access or aggregation			
Switching Method		Store and Forwarding			
CPU Model/ Frequency		PowerPC P1010 533MHz			
Flash		2GB (NAND)			
Memory		1GB			
	Main Board Spec	32x10GE SFP+ + 2x40GE QSFP+			
	Uplink Network Sub Card	Not Support			
	Console Type	RJ45			
Hardware Configuration	Outband Eth Management Port	1 RJ45 GE Eth port			
	Inband Eth Management Port	Support			
	USB Ports	Support			
2. Performance Spec					
Switching Capacity		800Gbps (32x10GE + 2x40GE)			
3. Hardware and Softwar	e Description				
		Standard 1U 19" rack mountable			
Hardware Architecure		32x10GE SFP+ Ethernet Port			
		 2x40GE QSFP+ Ethernet Port 			
If Uplink network card su	ipport hot plug ?	-			
Software upgrade metho	d	Through TFTP/FTP/WEB			
Service interruption time	when reboot system for	less them 100s			
software update		less than 120s			
4. The Power Supply and	Power Requirements				
AC		Support			
Type of Power Supply	DC	Support			
		Operating Voltage: 100 ~ 240V; 50/60Hz			
	AC	Maximum Voltage: 90 ~ 264V; 47~63Hz			
Power supply range					
	DC	Operating Voltage: 36 ~ 72Vdc Input			
Double Bower Input 2		Support			
Double Power Input ?	a ia pluggabla 2	Support			
The power supply modul Typical/Max Power Draw		Support 120W / 150W			
5. Overcurrent and overv					
Whether the equipment i					
overvoltage protector ?		Yes			
Surge protection level		4 KV			
6. Others					
Hardware Size (H×W×D)	in.	4.36 x 44.0 x 40.0 cm (1.73 x 17.5 x 15.9 in.)			
Weight (kg)		7.5kg (include One PSU)			
Cooling Mode		Fan cooling (Front-to-Rear airflow)			
Noise		< 50 dB			
Quality of Fans		4 (3 + 1 Backup)			
Whether to support the fa	an module pluggable?	Support			
	ent speed control function ?	Support			
Operating Temperature F	•	Operating temperature: 0 to 45 °C			



	E580-32	X Hardware Summary			
1. Basic					
Product Name		E580-32X			
Product Positioning		Data Center TOR access, Enterprise & Metro network access or aggregation			
Switching Method		Store and Forwarding			
CPU Model/ Frequency		PowerPC P1010 533MHz			
Flash		2GB (NAND)			
Memory		1GB			
	Main Board Spec	32x10GE SFP+			
	Uplink Network Sub Card	Not Support			
	Console Type	RJ45			
Hardware Configuration	Outband Eth Management Port	1 RJ45 GE Eth port			
	Inband Eth Management Port	Support			
	USB Ports	Support			
2. Performance Spec					
Switching Capacity		640Gbps (32x10GE)			
3. Hardware and Software	e Description				
Hardware Architecure		 Standard 1U 19" rack mountable 			
		32x10GE SFP+ Ethernet Port			
If Uplink network card su	pport hot plug ?	-			
Software upgrade metho	d	Through TFTP/FTP/WEB			
Service interruption time when reboot system for		less than 120s			
software update					
4. The Power Supply and	Power Requirements				
	AC	Support			
Type of Power Supply	DC	Support			
		Operating Voltage: 100 ~ 240V; 50/60Hz			
	AC	Maximum Voltage: 90 ~ 264V; 47~63Hz			
Power supply range					
	DC	Operating Voltage: 36 ~ 72Vdc Input			
Double Power Input ?		Support			
The power supply module	e is pluggable ?	Support			
Typical/Max Power Draw		120W / 150W			
5. Overcurrent and overv					
Whether the equipment in					
overvoltage protector ?	·····,	Yes			
Surge protection level		4 KV			
6. Others					
Hardware Size (H×W×D) i	in.	4.36 x 44.0 x 40.0 cm (1.73 x 17.5 x 15.9 in.)			
Weight (kg)		7.5kg (include One PSU)			
Cooling Mode		Fan cooling (Front-to-Rear airflow)			
Noise		< 50 dB			
Quality of Fans		4 (3 + 1 Backup)			
Whether to support the fa	an module pluggable?	Support			
If the fan support intellige	ent speed control function ?	Support			
Operating Temperature D	lango				
Operating Temperature R	ange	Operating temperature: 0 to 45 °C			

Feature List

bute	Description	Support	
		Support	Note
	Ethernet interface operating modes: full duplex, half duplex, and auto-negotiation negotiation		
	Flow control on (TX and RX direction)		-
			-
		•	
		•	
Ethernet		•	
		•	
		•	
	Port Isolation		
	L2 Protocol Tunnel	•	
	Port-Block(unicast/broadcast/multicast)		
	Storm Control (unicast/broadcast/multicast)	•	
	Vlan access modes: access, trunk, and QinQ		
	MAC based VLAN Classification		
	IP based VLAN Classification		
	Protocol based VLAN Classification		
	QinQ(Basic QinQ and Selective QinQ)		
VLAN	VLAN Translation		
	Default VLAN		
	VLAN mapping		
	Voice Vlan	•	
	Private VLAN	•	
	Automatic learning and aging of MAC addresses (Support HW learning)	•	
	Static, dynamic, and blackhole MAC address entries		
МАС	Packet filtering based on source MAC addresses		
	Limitation on MAC address learning on interfaces (Port Security)		
	Limitation on MAC address learning on Vlans VLAN Security		
	STP		
	RSTP		
	MSTP		
MSTP	BPDU filter		
	BPDU guard		
	Root guard		
	Partitioned STP and BPDU tunnel		
	ERPS (Ethernet Ring Protection Switching)		
ERPS	Single ERPS ring, tangent ERPS rings, and intersecting ERPS rings		
	Hybrid networking of ERPS rings and other ring networks		
	IGMP snooping v1v2v3		
	IGMP proxy		
Laver 2 multicast	Fast leave		
	MAC based L2MC		
	Layer 2 Static Multicast		
	MVR(Inter-VLAN multicast replication)		
	Static and dynamic ARP entries		
	Gratuitous ARP		
ARP	Aging of ARP entries		
		•	
	ARP Proxy		
	Static Routes	•	
	RIPv1&v2		
	OSPF		
		•	
	ECMP	•	
Unicast routing	ECMP self-healing	•	
	ECMP-DLB(Dynamic Load Balance ECMP)	●	
		•	
		●	
			_
		●	_
Multicast routing			_
			_
			_
IPv6 basic	NDP	●	
	PMTU	●	_
	IPv6 Static Route		_
IPv6 Unicast	RIPng		
			1
routing	OSPFv3	•	
routing	OSPFv3 MLD v1/v2	•	
	OSPFv3		
	VLAN VLAN MAC MSTP ERPS ERPS Layer 2 multicast ARP Unicast routing Multicast routing	LAG support RR Port Isolation LAG support RR Port Isolation L2 Protocol Turnel Storm Control (unicast/broadcast/multicast) Storm Control (unicast/broadcast/multicast) Vian access modes: access, trunk, and OinQ MAC based VLAN Classification Protocol based VLAN Classification Protocol based VLAN Classification Orio (Basic OinQ and Selective OinQ) VLAN VLAN Translation Default VLAN Quest VLAN Quest VLAN Quest VLAN VLAN mapping Vican access vLAN Quest VLAN Packet filtering based on source MAC addresses (Support HW learning) Static, dynamic, and blackhole MAC address entries MAC Packet filtering based on source MAC addresses (Support HW learning) Static, dynamic, and blackhole MAC addresses (Support HW learning) Static, dynamic, and blackhole MAC addresses (Support HW learning) Static Ray Participation on MAC address earning on interfaces (Port Security) Limitation on MAC address earning on interfaces (Port Security) Limitation on MAC address eand intersocting ERPS ring	Link aggregation (StaticLACP)

Aun	bute	Description	Support	Note
	IPv6 Application	DHCPv6 Server/Relay/Snooping	•	
		IPv6 Prefix-list	•	
	Traffic	Traffic classification based on the combination of the MAC address, IPv4/IPv6 ddress, L2		
	classification	protocol header, TCP, UTP, outgoing interface, and 802.1p field	\bullet	
		Access control after traffic classification	•	
	Traffic behaviors	Traffic policing based on traffic classification (Policer)	\bullet	
		Re-marking based on traffic classification (COS, DSCP)	\bullet	
		Class-based packet queuing	•	
2.0	0	SP (8 Strict Priority)	•	
QoS	Queue	WDRR (Weighted Deficit Round Robin)	•	
	scheduling	SP + WDRR	•	
	Congestion			
	avoidance	Tail Drop, WRED (Weighted Random Early Detection)	•	
	Shapping	Shapping based on Interfaces and queues	•	
		Explicit congestion notification(ECN)		
	Cloud Goodput			
		High bandwidth, Ultra Low Latency(HULL)(Virtual queuing to mark ECN)		
	Smortlink	SmartLink	•	
	Smartlink	SmartLink multi-instance	•	
		MonitorLink	•	
Device reliability	VRRP	VRRP	•	
	BFD	BFD (for Static IPv4 Route/VRRP/OSPF/Track)	•	
	M-LAG	Multi-Chassis Link Aggregation	•	
		MLAG with Overlay(VXLAN, NVGRE, GENEVE)	\bullet	
	Switch Table			
STM	Management	Switch Table Management (Flexible system profiles)	•	
		Hierarchical CLI protection to prevent unauthorized users from accessing Switch		
		SSH v2.0	•	1
		RADIUS and TACACS+ authentication		+
		ACL filtering (Standard ACL and extend ACL)		+
		ACL filtering (Standard ACL and extend ACL)		
Security		DHCP packet filtering (Option 82)		
	System Security	ARP Inspection		
	System Security	IP Source Guard	•	
			•	
		Prevent DDOS attack (ICMP Flood/Smurf/Fraggle/LAND/SYN Flood)	•	
		AAA	•	
		802.1X	•	
		Telnet/SSH ACL filtering	•	
		RSA Key Generate	•	
		BHM (Beat Heart Monitor)	•	
		Configurations through CLI (Command Line Interface)	•	
	Terminal service	Help information		
		Login through console and Telnet terminals	•	
		File system	•	
	File system	Directory and file management	•	
		Upload and download files through FTP or TFTP	•	
		DHCP Server		
		DHCP Server		
	IP Application	DHCP Snooping		
		DHCP Client	•	
		DNS	•	
		NTP	•	
		UDLD (Unidirectional Link Detection)		<u> </u>
	Device	VCT (Virtual Cable Test)		<u> </u>
	Management			
		802.3az EEE (Energy-Efficient Ethernet)	•	
		Management of logs, alarms, and debugging information	•	
Configuration and		User operation logs		
naintenance		Detailed debugging information for diagnosing network faults	•	
		Network test tools (Such as traceroute and ping)		
		Local Mirror(Port Mirror and VLAN Mirror)		
	Debugging and	Remote Mirror	•	
	maintenance	Multi-destination Mirror	•	
		L2 ping	•	1
		Port loopback	•	
		Loopback Detection		1
		SmartConfig		1
		CPU Mirror		+
				+
		Ping and Traceroute (IPv4)	-	
	Notwork	SNMPv1/v2c/v3 (IPv4)	•	
	Network	Standard MIB	•	-
	management	WEB UI		<u> </u>
		RMON	•	_
		s-Flow	•	\square
	Version upgrade	Online upgrade software image	•	
		Online upgrade of the BootROM	•	
		Programmatic access to system state: Phython		T

Α	ttribute	Description	Support	Notes
	Extensibility	Open API		
	Extensionity	OpenStack Neutron(cloud agent)		
		OVSDB(configure VLAN/Tunnel)		
		VARP		
Data Center		VXLAN gateway	•	
	Virtualization	VXLAN bridge	•	
	Support	VXLAN routing	•	
		GENEVE	•	
		NvGRE	•	
	DCB	IEEE 802.1Qbb PFC (Priority Flow Control)		

		Performance & Spec					
Class	Feature	Sub Spec	Default Profile	Layer 2 Profile	Layer 3 Profile	IPv6 Profile	No
	Jumboframe	Maximum Size	Frome	9600		Frome	
		MAC address Capacity	65536	131072	32768	32768	
	Unicast MAC	MAC Learning Rate (SW)		3144 f	os		
		MAC Learning Rate (HW)		6046093	s fps		
		Blackhole MAC address capacity		128			
	Multicast MAC	MAC address Capacity	2048	2048	1024	1024	
	VLAN	VLAN IDs		4094			
		Vlan Instances		4094	-		_
	STP	Convergence time		30s			_
	RSTP	Convergence time		775m	S		_
	MSTP	Instance Num		64 774m	<u> </u>		_
		Convergence time Maximum Member Num		16	5		
Ethernet Basic		Maximum Group Num		55			
	Link Aggregation (Static&LACP)	Load balance key mode	ipsa/inner-	destport/inner-destport/inner-ip-protocol/inner-ipda/inner- ipsa/inner-macda/inner-macsa/inner-sourceport/ip- protocol/ipda/ipsa/macda/macsa/nvgre- vsid//sourceport/vxlan-vni			
		Convergence time		< 20m	IS		
		Maximum Groups Num		16			
	Smart-Link	Maximum Protection Instance Num		64			
		Switchover time		< 25m	IS		1
		Base MAC Capacity	512	1024	512	512	
	VLAN	Base IPv4 Capacity	512	512	1024	512	\top
	Classification	Base IPv6 Capacity	N/A	N/A	N/A	256	1
	ARP	ARP Capacity	4096	1024	20480	4096	+
		FIB		8192		2048	+
	IPv4	ECMP Group		240			
		Management Groups Num		31			
Pv4 Unicast	VRRP	Switchover time	< 4*adv	t_interval (advt_ir	nterval=100m	s or 1s)	
		Policy Route Map	32	N/A	32	32	
	PBR	Policy Based Routing ACE	64	N/A	64	64	
	IPv4 BFD		128	N/A	N/A	N/A	
Pv4 Multicast		Session Capacity		255	,		
	IPMC	Multicast Routing Table	1023	0	1023	1023	
	IGMP Snooping	Maximum Groups Num		2048			
	MVR	Maximum Entry Num		511			
	Host Route	NDP Capacity	N/A	N/A	N/A	4096	
Pv6 Unicast		FIB	N/A	N/A	N/A	1536	
	IPv6	ECMP Group	N/A	N/A	N/A	240	
	ІРМС	reuting table	N/A	N/A	N/A	255	
		Multicast Routing Table	N/A	N/A	N/A	255	
Pv6 Multicast	MLD Snooping	Maximum Groups Num	N/A	N/A	N/A	4096	
	MVR V6	Maximum Entry Num	N/A	N/A	N/A	255	
P Tunnel	IP Tunnel	Tunnel Peer Capacity	8	N/A	8	32	
		Per-port Queue Num		8			
QoS	QoS	System Packet Buffer Capacity Policer granularity	3M 0-2Mbps : 16Kbps 2Mbps-100Mbps : 32Kbps 100Mbps-1Gbps : 64Kbps 1Gbps-2Gbps : 128Kbps 2Gbps-4Gbps : 256Kbps 4Gbps-10Gbps : 512Kbps 10Gbps-40Gbps : 1024Kbps 40Gbps-100Gbps : 2048Kbps				
		Shape granularity	-	8Kbp		T	—
		Ingress port qos ipv4 flow entries	2043	2043	2043	1019	
		Ingress port qos ipv6 flow entries	N/A	N/A	N/A	507	
		Ingress port acl for IPv4	2047	2047	2047	1023	_
	IPv4 ACL	Ingress vlan acl for IPv4	255	255	255	127	_
ACL		Egress port acl for IPv4	255 N/A	255 N/A	255 N/A	127 511	_
	IPv6 ACL	Ingress port acl for IPv6 Ingress vlan acl for IPv6	N/A N/A	N/A	N/A N/A	511 63	_
	IF VO ACL	Egress port acl for IPv6	N/A N/A	N/A N/A	<u> </u>	63	_
	IP Source Guard	IPv4/IPv6 maximum rules Num	1024	1024	512	512	
becurity and	802.1x base MAC		2048	512	512	512	
nplication	DHCP-Snooping	Maximum Entries	2040	4096			+
	• •	Maximum bound entry			,		+
	Vlan Mapping	Maximum mapping table	1024	2048	1024	1024	
		Domain Num	1024	2048	1024	1024	
Actro Ethornot		Ring Num		3/doma	ain		
			ļ	3/00116			
	ERPS	Protection instance Num per Ping					
	ERPS	Protection instance Num per Ring		< 50 mg (ant)	ical port)		
	ERPS	Switchover time	8102	< 50 ms (opti	, ,	2072	
	VXLAN		8192	<pre> 1 </pre> < 50 ms (option <pre> 8192 </pre> 2000	8192	3072	

	Performance & Spec Table								
ClassFeatureSub SpecDefaultLayer 2Layer 3IPv6ProfileProfileProfileProfileProfileProfile						Note			
		VXLAN Gateway MAC for DVR	224	256	256	64			
IPFix	IPFix	IPfix Member	16384	N/A	16384	16384			