Alpha Bridge
QinQ in
AS300/56/XC

Test	QinQ in AS300/56/XC
Test procedure	
configuration	**Configuration in AS228XF:** ! hostname AS228XF ! interface TGigaEthernet0/1 switchport mode trunk switchport trunk vlan-allowed 2750 ! interface TGigaEthernet0/2 description connected_to_port_6_edge-core_switch // description for interface spanning-tree portfast spanning-tree bpdufilter enable switchport mode dot1q-translating-tunnel // to enable the dot1q translation switchport trunk vlan-allowed 2750 // to pass the 2750 vlan tagged traffic switchport pvid 2750 // to pass the untag traffic with tag 2750 switchport dot1q-translating-tunnel mode QinQ translate 10,100,200 2750 // to change the

vlan tag from 10,100,200 to 2750

 switchport dot1q-tunnel-sub-global // to enable the qinq in the interface level

!

Vlan 1,2750

Configuration in AS356XC:

!

hostname AS356XC

!

Vlan 1,2750

!

interface 10gigaethernet 1/0/10

 port link-type trunk

 port trunk allow-pass vlan 2750 // to pass the 2750 vlan tagged traffic

 port trunk pvid 2750 // to pass the untag traffic with tag 2750

 vlan-stacking enable // to enable the qinq in the interface level

 vlan-stacking vlan 1 to 2749 stack-vlan 2750 // to change the vlan tag to 2750

 vlan-stacking vlan 2751 to 4094 stack-vlan 2750 // to change the vlan tag to 2750

!

interface 10gigaethernet 1/0/12

 port link-type trunk

 port trunk allow-pass vlan 2750

!

test result	**Results for un-tagged traffic** **Mac address in AS228XF and AS356XC**

Ping test in tester

Traffic result in tester

Stream	TX Rate (Mbit/s)	RX Rate (Mbit/s)			
		Current	Average	Minimum	Maximum
1	--	--	--	--	--
2	9950.00	9949.99 ✓	9949.99	9949.98	9949.99
3	--	--	--	--	--
4	--	--	--	--	--
5	--	--	--	--	--
6	--	--	--	--	--
7	--	--	--	--	--
8	--	--	--	--	--
9	--	--	--	--	--
10	--	--	--	--	--
11	--	--	--	--	--
12	--	--	--	--	--
13	--	--	--	--	--
14	--	--	--	--	--
15	--	--	--	--	--
16	--	--	--	--	--
Total	9950.00	9949.99			

Results for Tagged traffic

Mac address in AS228XF and AS356XC

Ping test in tester

Traffic result in tester

Stream	TX Rate (Mbit/s)	RX Rate (Mbit/s)			
		Current	Average	Minimum	Maximum
1	--	--	--	--	--
2	9950.00	9949.99 ✅	9949.99	9949.99	9950.00
3	--	--	--	--	--
4	--	--	--	--	--
5	--	--	--	--	--
6	--	--	--	--	--
7	--	--	--	--	--
8	--	--	--	--	--
9	--	--	--	--	--
10	--	--	--	--	--
11	--	--	--	--	--
12	--	--	--	--	--
13	--	--	--	--	--
14	--	--	--	--	--
15	--	--	--	--	--
16	--	--	--	--	--
Total	9950.00	9949.99			

Thresholds

Remarks	QinQ in the AS300/56/XC is demonstrated.