

Hardware options

Help on selecting hardware that fits requirements of campus networks

Arista dist switch options

All Arista switches offers EVPN+VXLAN feature set with the correct license

Model	Downlinks	Uplinks	ACL Entries	Packet buffer	MAC	IPv4 Routes	Chipset	Notes
DCS-7050SX3-48YC8-F	48x25G SFP+	8x100G QSFP28	2K	32 MB	160k	144k host routes 32k LPM	1x Trident3-X5	
DCS-7280SR-48C6-F	48x10G SFP+	6x100G QSFP28	24K	4 GB			1x Jericho	Not recommended, no overlay multicast support
DCS-7280SR3-48YC8-F	48x25G SFP+	8x100G QSFP28	24K	4 GB	224k	1450k	1x Jericho2	

<https://www.arista.com/en/company/news/press-release/4390-pr-20180329> 7050X3 chipset

<https://packetpushers.net/broadcom-trident3-programmable-varied-volume/> Trident3 ASIC versions

TCAM / ACL usage on 7050X3

Managed to fit 225 complex ACL entries like "10 permit tcp host 1.0.0.0 host 2.0.0.0 range 1100 1199" (randomized port ranges) in hardware causing 99.8% TCAM usage:

```
#show platform trident tcam
TCAM group 10 uses 1533 entries and can use up to 3 more.
Router ACL uses 1533 entries.
```

R-series should be able to fit more than 10X more (not tested)