

Scalability: IP Address, VLAN, and Routing Maximum Values

The following table lists the switch scalability values for the areas of VLANs, hardware, ARP, and routing.

Subject	Maximum
Layer-3	
VLANs with at least one IP Address	512
IP addresses per system	2048 IP 2048 IPv6
IP addresses per VLAN	32
static routes	256
supported routes	10,000 (including ARP)
IPv4 host hardware table	72K (8K internal, 64K external)
IPv4 BMP hardware table	2K
ARP	
ARP entries	10,000
packets held for ARP resolution	20
Routing Protocol	
RIP interfaces	128
OSPF interfaces	128
OSPF areas	16

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