

For S9500 version 1277 and after, if the system has a standard line card (B/D line card), the number of ARP items supported is 4K by a system; and if the system has only an enhanced linecard (C/CA linecard), the number supported is 8K by the linecard. For S9505, the number is 40K and for S9508 and S9512, the number is 64K.

By default, the number of ARP items supported is 4K by a system, and 4K by a linecard.

Configuration command:

1. arp enable size { 4 | 64 }

Configure the global ARP forwarding table size for the system. If the size need to be more than 4K, only 64K is available. The actual number of ARP forwarding table depends on the number of the MPLS VPN enhanced linecards and the maximum ARP items configured for each linecard.

2. arp max-entry slot-no max-num

Configure the maximum number of ARP items for each linecard (MPLS VPN enhanced linecards) in the range 4K~8K at the step of 1K. The linecards can be configured with different specifications.

3. arp max-aggregation-entry max-aggrnum

Configure the number of aggregation ARPs. The aggregation ARP is the maximum number of ARPs supported by the aggregation group. Each linecard supports 1K aggregation ARPs by default. The aggregation ARP can be configured as 0, 1, 3, 7 or 8 (K).