

# 802.1Q Encapsulation Support on Cisco 2600 and 3600 Series

## Overview

802.1Q encapsulation is now available on the built-in 10BaseT Ethernet interfaces of the Cisco 2610, 2611, and 2612 with Cisco IOS software 12.2(2)T and subsequent releases. Although this feature has been available on the Cisco 2600/3600 series since the release of Cisco IOS 12.1(5)T, support was previously limited to Fast Ethernet interfaces only. 802.1Q is not supported on any other Cisco 2600/3600 series 10BaseT Ethernet interface. Table 1 shows the 2600/3600 series chassis and modules that support 802.1Q:

Table 1 Support for 802.1Q Encapsulation as of Cisco IOS 12.2(2)T

	Cisco 261x	Cisco 262x/265x	Cisco 3600
Chassis 10BaseT	Yes	n/a	n/a
Chassis 10/100BaseT	n/a	Yes	Yes
NM-1E	No	No	No
NM-1E1R2W	n/a	n/a	No
NM-1E2W	n/a	n/a	No
NM-2E2W	n/a	n/a	No
NM-4E	No	No	No
NM-1FE1CT1	n/a	n/a	Yes
NM-1FE1CT1-CSU	n/a	n/a	Yes
NM-1FE1CE1B	n/a	n/a	Yes
NM-1FE1CE1U	n/a	n/a	Yes
NM-1FE2CT1	n/a	n/a	Yes
NM-1FE2CT1-CSU	n/a	n/a	Yes
NM-1FE	n/a	n/a	Yes
NM-1FE2W	n/a	n/a	Yes
NM-1FE1R2W	n/a	n/a	Yes
NM-2FE2W	n/a	n/a	Yes
NM-16ESW	Yes	Yes	Yes

## Benefit

802.1Q VLANs allow LAN networks to be divided into workgroups connected via common backbones to form virtual LAN (VLAN) topologies. This technology, once limited to Fast Ethernet connections, is now supported on the built-in 10BaseT interfaces of the Cisco 2610, 2611 and 2612. Only the built-in 10BaseT interfaces are supported.

## Availability

802.1Q encapsulation on 2610, 2611, and 2612 built-in 10BaseT Ethernet ports is available starting in IOS 12.2(2)T and all supported subsequent releases.

## Additional Information

For more information on 802.1Q encapsulation see:

<http://www.cisco.com/univercd/b/products/sw/swts/20120new/12012018021q.htm>

For details on the Cisco 2600 series routers, see:

[http://www.cisco.com/wapp/b/cp/2600prod/2600\\_d.htm](http://www.cisco.com/wapp/b/cp/2600prod/2600_d.htm)

For details on the Cisco 3620 and 3640 routers, see:

[http://www.cisco.com/wapp/b/cp/3600prod/3600\\_d.htm](http://www.cisco.com/wapp/b/cp/3600prod/3600_d.htm)

For details on the Cisco 3660 series routers, see:

[http://www.cisco.com/wapp/b/cp/3600prod/3660mp\\_d.htm](http://www.cisco.com/wapp/b/cp/3600prod/3660mp_d.htm)



Corporate Headquarters  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 526-4100

European Headquarters  
Cisco Systems Europe  
11 Rue Camille Desmoulins  
92782 Issy-les-Moulineaux  
Cedex 9  
France  
[www-europe.cisco.com](http://www-europe.cisco.com)  
Tel: 33 1 58 04 60 00  
Fax: 33 1 58 04 61 00

Americas Headquarters  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
[www.cisco.com](http://www.cisco.com)  
Tel: 408 526-7660  
Fax: 408 527-0883

Asia Pacific Headquarters  
Cisco Systems, Inc.  
Capital Tower  
168 Robinson Road  
#22-01 to #29-01  
Singapore 068912  
[www.cisco.com](http://www.cisco.com)  
Tel: +65 317 7777  
Fax: +65 317 7799

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