TelePresence Multiparty and Video Conferencing Ping Response and MTU Size Restrictions

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Introduction

This document describes the maximum number and the Maximum Transmission Unit (MTU) size of the pings to which the Cisco TelePresence Multiparty Conferencing Bridges and Video Conferencing Gateways respond.

Maximum Number and MTU Size of Pings

The Cisco TelePresence Multiparty Conferencing Bridges and Video Conferencing Gateways appear to display significant packet loss when tested with ping floods. The responses from these devices are limited in order to avoid overloads. These limits are applied in the kernel, so they appear cross-product.

This table details the maximum number of pings and the MTU size of the pings to which each device responds:

Device	Maximum Ping Responses	Maximum Size of Ping Responses
Cisco 4200 Series Multipoint Control Unit (MCU) Cisco 8420 Series MCU Cisco 4500 Series MCU Cisco 3200 Series ISDN Gateway (GW) Cisco 3241 Series ISDN GW Cisco 8320 Series ISDN GW Cisco 8321 Series ISDN GW Cisco 3500 Series IP GW Cisco 8350 Series IP GW Cisco 8330 Series Serial GW Cisco 3200 Series IP Video Conference Recording (VCR) Cisco 8220 Series IP VCR Cisco 8050 Series Supervisor	100 pings/second	76-byte payload
Cisco 5300 Series MCU Cisco 8510 Series MCU Cisco 8710 Series TelePresence Server (TPS) Cisco 7010 Series TPS Cisco 3600 Series Advanced Media Gateway	199 pings/second	No limit, MTU-dependent