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Call Admission Control

Call Admission Control (CAC) limits the number of SIP media streams allowed through the unit. CAC can deny new SIP connections attempted if the unit is getting overloaded.

If the unit is being overloaded it is better to deny further SIP calls, and thus maintain quality of the ones currently in progress, rather than allowing too many calls that would overload the unit and reduce quality of all calls in progress.

If Call Admission Control is enabled, new SIP calls are allowed only if there is enough bandwidth and processing power left to be able to handle the resulting media streams effectively.

Several different parameters can be controlled to detect if there is enough bandwidth and processing power left to be able to handle an attempted SIP call. By entering values into one or several of the fields one can control when further SIP calls should be denied:

Upstream / downstream traffic

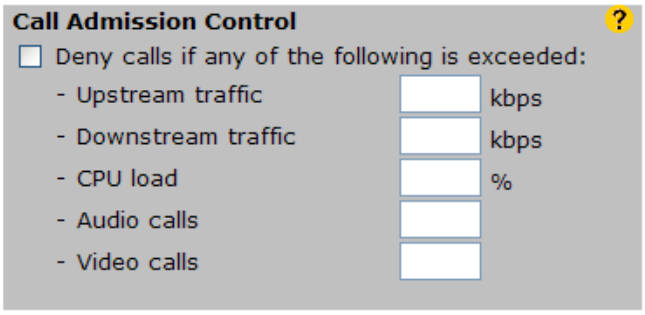
If the unit already handles too much traffic subsequent media streams would have too little bandwidth left to use.

CPU load

If the unit's CPU is already too busy with other tasks it would not have any capacity left to handle subsequent media streams.

Audio / video calls

If the unit already handles a vast amount of media streams it would not have any capacity left to handle subsequent ones.



For example by entering 8 into audio calls the unit will allow up to 8 simultaneous SIP audio calls. If there are already eight calls in progress, an attempted ninth call will be denied – BUSY is returned to the caller.

You can enter values into one, several, or all fields. If any of the values are exceeded further calls are denied. By leaving a field empty that parameter is ignored. Once workload is lowered below the limits calls will be allowed again.

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