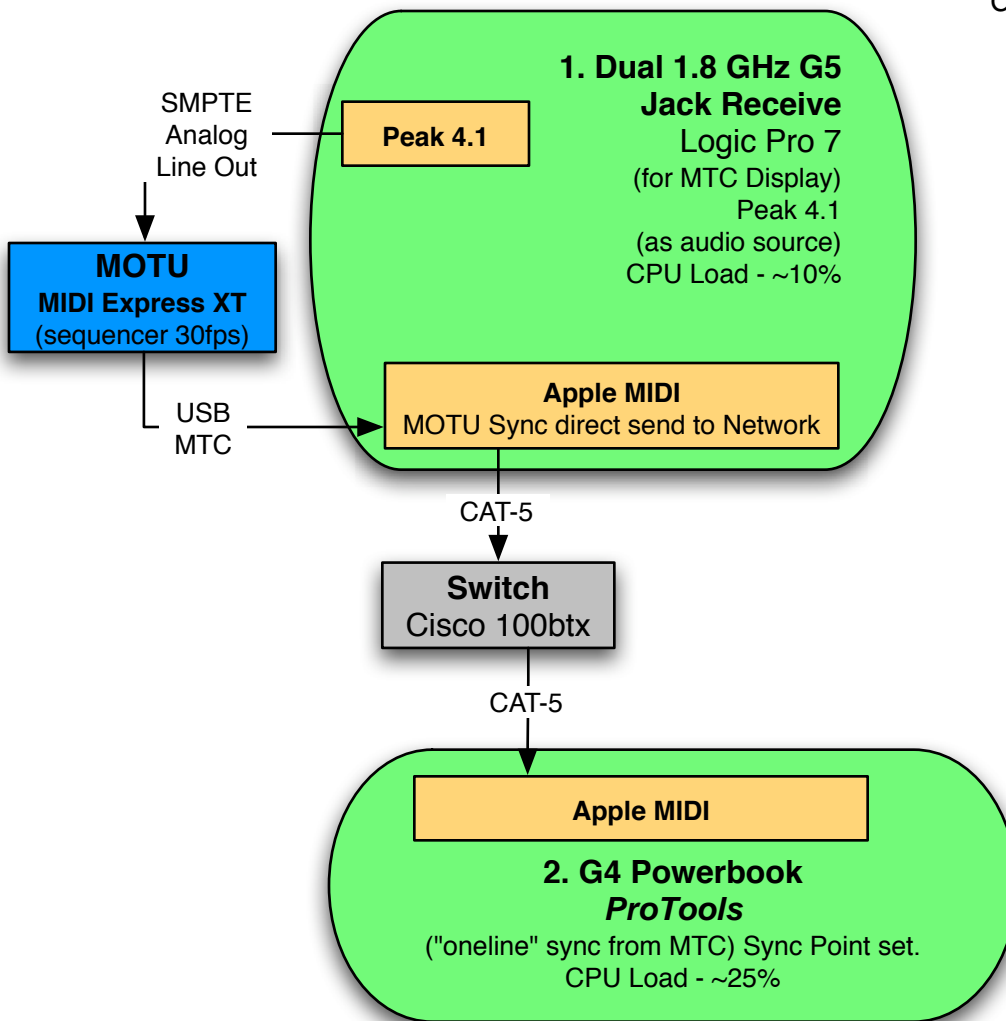


Time Code Test

Option 1 - MTC via Apple MIDI



This test was performed to confirm that analog SMPTE could be sent reliably over a 100Mbit network via MTC using the Apple MIDI network.

In this case a G5 was used as both the audio source and the MTC Send computer.

The G5 played the audio from its built-in audio device into an external MOTU SMPTE reader which converted the stream to MTC. That MTC was monitored on the G5 (with Logic Pro) and sent via Apple MIDI to the ProTools computer.

The ProTools session was set with a sync point, put "online" and set to sync via MTC.

In this case, delay was added in a variety of places. The sync point was used to set large delays. The Apple MIDI settings were used to insert delay on the order of 1ms (in real time)

In the production setup, the audio source will come from the NTT RME D/A, a powerbook (or other G4) can be used as the "MTC Send" computer. The MTC be sent directly to the ProTools computer.