Power over Ethernet

(PoE)

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A diagram of a network

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.For my project, I hooked up a Cisco 7960 IP Phone to the Fa0/1 port on the switch using a standard Ethernet cable. The switch did its thing automatically—it recognized the phone, figured out it was a Class 3 PoE device, and started sending 10 watts of power through the cable to keep it running. I checked how it was working by running the show power inline command, which showed me all the details about the power usage and confirmed the phone was connected properly. I tried messing with the power settings a bit by going into config mode and typing power inline auto max 20000, but the switch didn’t like that—it gave me an error because I got the syntax or units wrong. No big deal, though; I just left it on the default power inline auto setting, which was already doing the job. To make sure everything was still good, I ran show power inline again, and sure enough, the phone was still pulling 10 watts and working fine on Fa0/1. It’s fully powered up and ready for calls, all thanks to the switch’s Power over Ethernet feature.

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