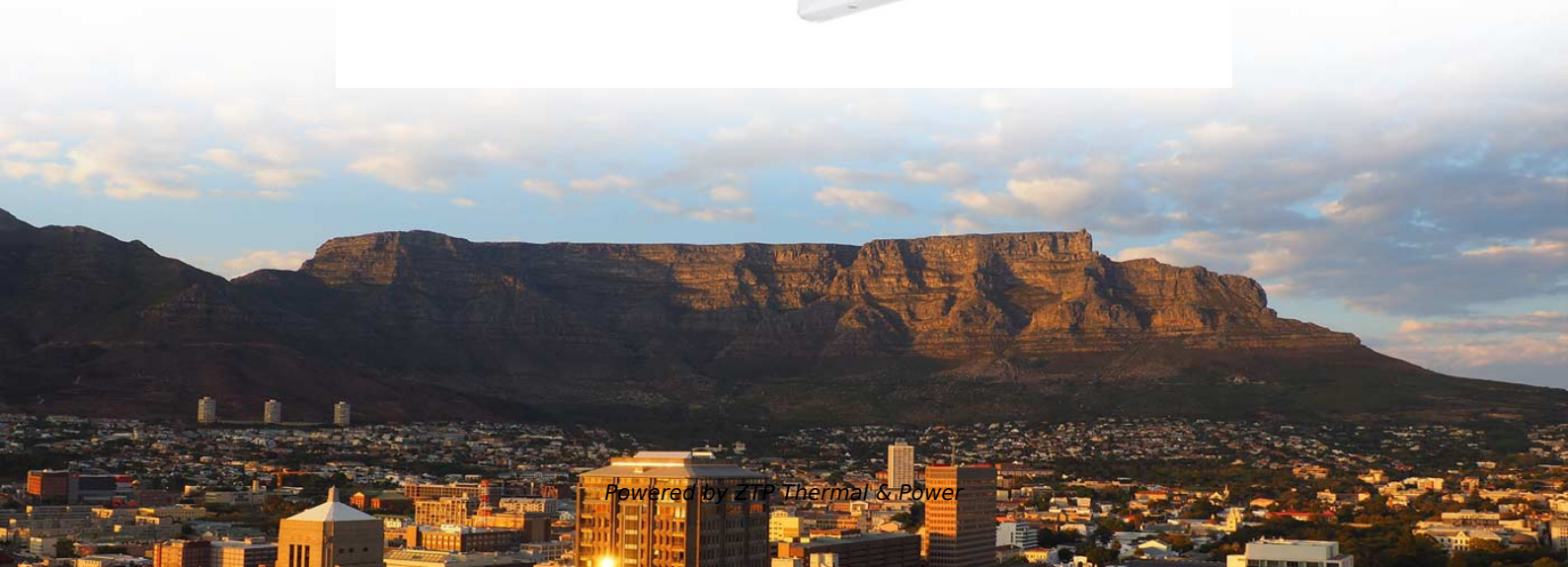


Should a 100Mbps fiber optic cable be connected to a 100Mbps switch





Overview

A gigabit switch can be connected to a 100Mbps network cable, but only 100Mbps can be used on this line, and it cannot reach gigabit level. A 100BASE FX SFP transceiver enables Fast Ethernet transmission over multimode fiber, typically operating at 1310nm and supporting distances up to 2km. Compared with copper-based 100BASE-TX connections, it offers stronger EMI immunity, longer reach, and improved reliability in electrically noisy. This connection is plugged into a fast ethernet (100mbps) port on my core Cisco switch.



Should a 100Mbps fiber optic cable be connected to a 100Mbps switch

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ANSI/TIA-568

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10 Gigabit Ethernet

Multiple vendors introduced single-strand, bi-directional 10 Gbit/s optics capable of a single-mode fiber connection functionally equivalent to 10GBASE-LR or -ER, but

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Ethernet

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