MTRJ Connectors

An MTRJ connector is a type of [fiber optic cable](#)that has an endpoint similar to the [RJ-45](#)connector endpoint found in [Ethernet](#)connections. MTRJ connectors are designed to snap into the Ethernet port of a computer, modem, or wireless router and provide that computer or network with extremely fast data transfer rates. MTRJ connectors are usually designed for multi-mode [optical fibers](#) but can be used for single mode optical fibers as well. MTRJ connectors are approximately 2.45 mm x 4.4 mm in size and are standardized by the International Electrotechnical Commission.

How MTRJ Connectors Work

MTRJ connectors work in the same way that any [fiber optic cable](#) does, with modes of light travelling parallel with the fiber and their photons vibrating perpendicularly to the fiber. At its end, each MTRJ connector has an RJ-45-like endpoint that is slightly larger than a telephone jack and can fit into the Ethernet port on any computer, modem, or wireless router.

Applications

MTRJ connectors are used to provide [fiber optic](#) speeds to personal computers, servers, commercial workstations, wireless routers, modems, and other devices that have not already been equipped for use with fiber [optic cables](#). MTRJ connectors are, therefore, a type of hybrid connector between a fiber [opticcable](#) and an Ethernet cable.

Advantages

MTRJ connectors are advantageous because they allow users to take advantage of [fiber optic](#) data transfer speeds without purchasing any special equipment or installing specially designed fiber optic systems. MTRJ connectors are fairly inexpensive and can be connected to any Ethernet-enabled hardware in the same way that an Ethernet cable can be.