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# Ameritech OPTINET 100 Mbps (FDDI) Interface Specifications

To: Ameritech and Vendor Community

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This Technical Reference is published by Ameritech to provide a technical description of the Interface Between Customer Premises Equipment and Ameritech Network to Support the Ameritech OPTINET Custom High Capacity (FDDI).

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## 1. OPTINET 100 Mbps (FDDI) INTERFACE SPECIFICATIONS

Ameritech Services will offer an OPTINET 100 Mbps (FDDI) service which will provide Fiber Distributed Data Service (FDDI) transport between two or more nodes within a given LATA. Availability of the service in a given area can be confirmed by the appropriate Ameritech company.

The OPTINET 100 Mbps (FDDI) service provides interconnection of two or more remote FDDI Installations through dedicated transmission facilities. Distances between two neighboring nodes can extend up to 50 kilometers in length.

The interface to the customer consists of a multimode interface conforming with the physical layer medium dependent (PMD) standard of FDDI (ANSI X3.166). This PMD standard specifies the lower sublayer of FDDI. It provides the digital baseband point-to-point communication between nodes in the FDDI network. As defined in this standard, to interface with Ameritech's network, the customer requires a Media Interface Connector (MIC) which houses fixed termination points for two multimode optical fibers.

For technical information pertaining to the interface, the following American National Standards Institute (ANSI) document is available:

ANSI (\$40) X3.166 - 1990 - Fibre Data Distributed Interface (FDDI) Token Ring Physical Layer Medium Dependent (PMD)

To order this document, contact:

American National Standards Institute (ANSI), Attn: Sales Department, 11 West 42nd St., New York, NY 10036, (212) 642-4900

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