

## 1.1. *The FibeAir 1500™ System*



The system is composed of an Indoor Unit (IDU), an Outdoor Unit (ODU), a high-performance antenna, and a Management subsystem.

- The Indoor Unit is a compact, 17" wide, 1U-high unit, that may be mounted in both standard ETSI and ANSI racks. The IDU includes the physical line interfaces, a full-function SDH / SONET regenerator, an advanced modem and a central processing unit (CPU).
- The Outdoor Unit (ODU) consists of the RF circuitry, enclosed in a compact weather-proof enclosure, adjacent to the antenna. The ODU connects to the IDU via a single coaxial cable of up to 300m (1000 ft).
- The antenna is a 1' (30cm) or 2' (60cm) high-performance antenna.
- The system is managed either locally or remotely by Giganet's SNMP-based software, running on either Windows™ or UNIX™ platforms.

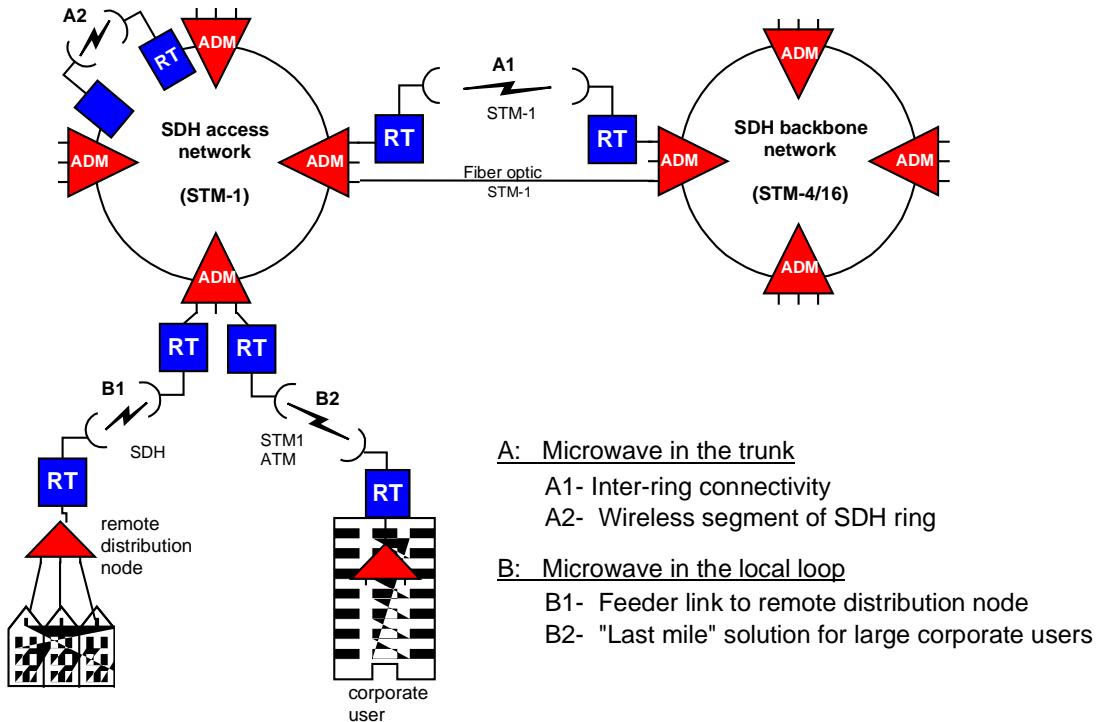
## 1.2. *Applications*

Applications include:

- SDH / SONET.
- ATM.
- Cellular networks.
- Corporate / campus networks.

- LMDS backhaul.

### 1.2.1. SDH / SONET Applications

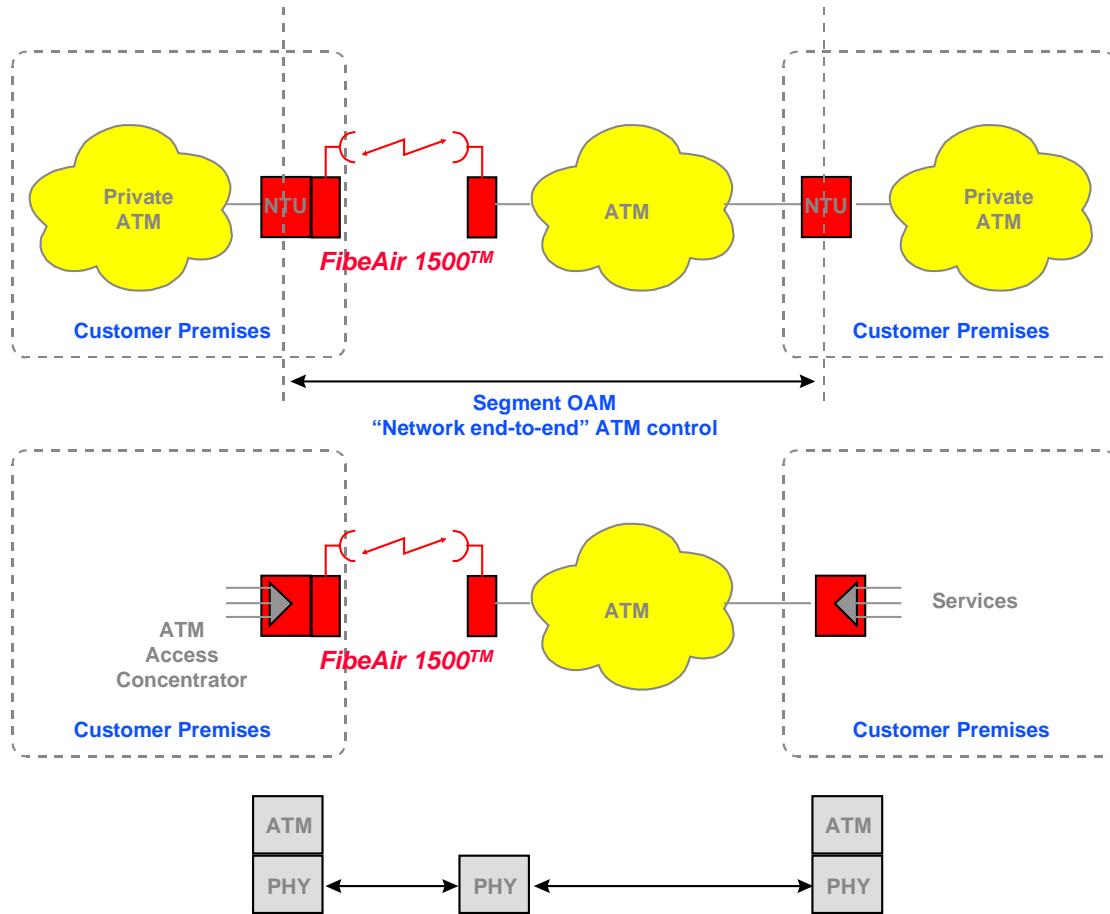


The FibeAir 1500™ is a natural choice for metropolitan SDH / SONET networks. The system may be used for ring closures, ring interconnects and access to remote distribution nodes, and may be used either as a *transparent* alternative to fibers, or as a redundant link providing *media diversity* protection.

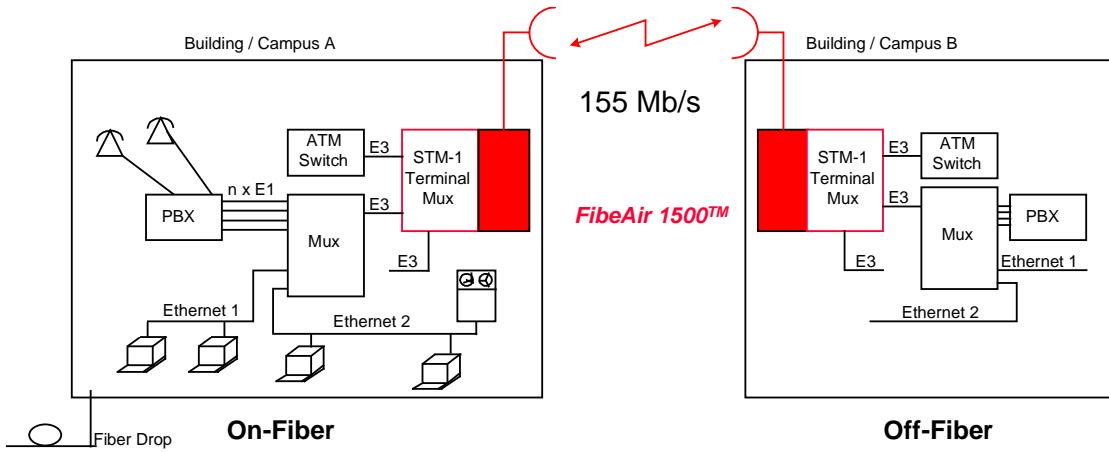
### 1.2.2. ATM Applications

The FibeAir 1500™ system is optimized by design for ATM transmission.

ATM physical transport: The FibeAir 1500™ provides a *direct* interface for 155 Mb/s ATM physical transport, with support for UTP, STP, CMI (electrical) and various optical interfaces. Combined with an ARC (ATM Rate Converter), the system provides a simple solution for physical transport of T3 and E3 ATM payloads.



Integrated with an ATM NTU (Network Termination Unit) and ATM Access Concentrators, the system provides a combined wireless ATM solution: for interconnecting private ATM networks, or for supporting various services (CBR, VBR and ATM UNI) in the customer's premises.



The FibeAir 1500™ system provides a flexible, cost-effective, transport solution for integrated ATM with non-ATM services.