



ATM (Asynchronous Transfer Mode)

High bandwidth and virtual circuit efficiency for voice, data and video



The requirements for data and Internet communications in today's business environment are growing every day. High-bandwidth applications, like graphics files and video conferencing require fast and efficient data transfers. ATM (Asynchronous Transfer Mode) services offer scalable, broadband solutions that support voice, data and video applications through a single network interface.

ATM services use cell-switching technology to segment circuit bandwidth into separate virtual channels, allowing one circuit to transmit voice, data and video traffic at the same time at speeds ranging from 1.5 Mbps up to 622 Mbps, where available. A single access line has the capacity to transmit data to multiple destinations.

Flexibility to meet unique business needs

Verizon offers four ATM service classes to meet the unique requirements of a business:

- **Unspecified Bit Rate (UBR):** Ideal for data applications when time sensitivity is not an issue (e.g., Internet access).
- **Variable Bit Rate – Non-Real Time (VBR-nrt):** For applications where short-term time delays are not problematic:
 - *Data file transfers*
 - *Multimedia E-mail (e.g., Flash, Real Audio)*
- **Variable Bit Rate – Real Time (VBR-rt):** For applications somewhat sensitive to time delays:
 - *Compresses or digital video*
 - *Packet voice and video*
- **Constant Bit Rate (CBR):** For bandwidth-intensive applications that are highly sensitive to time delays:
 - *Videoconferencing*
 - *Circuit emulation*

Fast, reliable transport for multiple applications

ATM services allow the fast, reliable transport of both bursty and constant traffic, providing a viable solution for businesses that use one or more of the following applications:

- Simultaneous voice, data and video transfers between multiple locations
- LAN-to-LAN interconnection
- Electronic Data Interchange (EDI)
- Distance learning
- Videoconferencing and video surveillance
- High-speed, high-quality image transfer and retrieval
- Collaborative work (CAD/CAM, music, video, publishing, etc.)
- E-mail and Internet access

Benefits that bring it all together

When your company transmits information via ATM service, you'll enjoy many benefits, including:

- **Professional Maintenance and Network Management:** Verizon manages all technology and provides 24/7 network monitoring, allowing you to use your resources to run your business.

■ Increased Network Efficiency

- Support of multiple applications eliminates the need for separate networks at a single location.
- Simultaneous transmission of voice, data and video allows your employees to work more efficiently.

■ Discounts and Reduced Costs

- Verizon offers pricing flexibility (i.e., term, volume and multi-service discounting and introduction incentives).¹
- Multiple-user access to a single circuit means fewer lines and can lead to cost savings.
- Virtual channel connection makes it possible to utilize interstate applications that were previously cost-prohibitive.

■ Compatibility

- ATM allows interworking with new or existing frame relay networks in specific locations.
- Ongoing standard upgrades ensure service and equipment will not become obsolete.

- **Worldwide Connections:** Connect sites within the U.S. via National Ports, connect international sites to National Ports via Global Ports and/or connect other international sites to Global Ports via Non-U.S. Ports.

Your complete source for data and voice services

Choosing the right communications partner is a vital decision in today's fast-paced, ever-changing marketplace. One element that remains constant is Verizon's status as a proven industry leader with an extensive portfolio of data and voice products that can help your business make progress every day.

Put the power and experience of Verizon to work for your business. For more information about which of our data and voice services are ideally suited to your business requirements, contact your Verizon account representative today.

verizon.com/smallbiz/data¹

¹ ATM service is offered on a month-to-month basis or with a 1-, 3- or 5-year discounted term plan.

Long distance service provided by Verizon Enterprise Solutions or Verizon Long Distance. Service may not be available in all areas.

