AT&T Data Services

AT&T’s ACCU-Ring Network Access Service

If your business operates in multiple locations, a high-performance ring network will offer important advantages over conventional solutions. AT&T's ACCU-Ring® service gives you a reliable, cost-effective solution for your data networking needs. ACCU-Ring is a private network backbone that uses a dedicated high-speed fiber ring to carry all your network traffic. ACCU-Ring service accommodates private line, switched and enhanced services to carry your local and long distance voice, data, and video traffic. This simplifies access to multiple services – helping you to save time and money. AT&T ACCU-Ring service is available throughout the U.S. (except Alaska).

ACCU-Ring service can help your business:
- Consolidate multiple services on a single, integrated access service
- Increase security and reliability for critical applications
- Simplify vendor relationships through a single point of contact and outsourced management

Applications for ACCU-Ring service:
- LAN and WAN interconnection
- Full-motion video/broadcast video
- Imaging

ACCU-Ring Service
ACCU-Ring service establishes connections on a dual-fiber ring network between AT&T points of presence, customer premises, and local access providers. ACCU-Ring service is a redundant, self-healing SONET ring architecture that automatically reroutes traffic around network trouble spots in milliseconds. ACCU-Ring’s self-healing ring architecture is redundant, providing diverse routing backup protection and eliminating single points of

ACCU-Ring Architecture

BENEFITS
- Comprehensive Service Assurance Warranty – Provides one month's credit for any node isolation of 60 seconds or greater
- Dedicated Surveillance Center – Offers around-the-clock Customer Care with 24/7 support
- SONET Reliability – Self-healing SONET ring reroutes around failures in milliseconds
- Network Availability – Designed to provide 99.999% target availability
- Flexible and Scalable – Assures premier nationwide network support for changing needs now and in the future
- Full Installation Testing – Provides rigorous testing and certification, ensuring that your service meets demanding ACCU-Ring standards
failure. If a facility or equipment failure or a transmission problem occurs in the service path, the SONET ring circuit automatically switches to the protect path in less than 100 milliseconds. This protects critical applications from being disrupted or degraded due to loss of signal or transmission impairment.

Customer Care
The AT&T ACCU-Ring Service Center (ASC) provides a single point of contact for all ring functions. The ASC supports a full range of services, from provisioning and maintenance, to full-time performance monitoring, 24/7.

Rigorous Testing and Validation
Before an ACCU-Ring service installation is completed, it is subjected to a Network Validation Test (NVT) and a Service Assurance Test (SAT), which verify that each installation meets AT&T’s exacting ACCU-Ring standards.

Service Assurance Warranty
AT&T offers comprehensive warranties in the rare event of a service interruption. If ACCU-Ring service is interrupted, AT&T provides a credit equal to the discounted monthly charge of the ring capacity charges.

Features and Options
ACCU-Ring Bandwidth Options
Ring Capacity is the total bandwidth dedicated to a customer:

Available Bandwidth Options
- OC-3 (155 Mbps)
- OC-12 (622 Mbps)
- OC-48 (2.5 Gbps)
- OC-192 (9.9 Gbps) Nodes

ACCU-Ring Service Channel Options
Service Channels connect your on-network locations. Standard and Ethernet Service Channels are available with several bandwidth choices:

Standard Channel Options
- 1.5 Mbps (DS1)
- 45 Mbps (DS3)
- 155 Mbps (OC-3/OC-3c)
- 622 Mbps (OC-12c)
- 2.5 Gbps (OC-48c)

Ethernet Channel Options
- 50 Mbps
- 150 Mbps
- 300 Mbps
- 600 Mbps
- 1 Gbps

ACCU-Ring Custom Choices – Ring Access Change (RAC)
RACs connect to off-ring locations and to other access and service providers. Standard and Ethernet RACs are available with several bandwidth choices:

Standard RAC Options
- 1.5 Mbps (DS1)
- 45 Mbps (DS3)
- 155 Mbps (OC-3c)
- 622 Mbps (OC-12c)
- 2.5 Gbps (OC-48c)

Ethernet RAC Options
- 50 Mbps
- 150 Mbps
- 300 Mbps
- 600 Mbps
- 1 Gbps

ACCU-Ring Custom Choices – Static Reconfiguration Option (SRO)
SROs provide disaster recovery capability in case a major event shuts down your primary location. This disaster recovery option provides a pre-planned reconfiguration that provides the ability to reconfigure Service Channels from any customer premise node to a customer pre-designated back-up node. Standard and Ethernet Backup Service Channels are available with several bandwidth choices:

Standard Channel Options
- 1.5 Mbps (DS1)
- 45 Mbps (DS3)
- 155 Mbps (OC-3/OC-3c)
- 622 Mbps (OC-12c)
- 2.5 Gbps (OC-48c)

Ethernet Channel Options
- 50 Mbps
- 150 Mbps
- 300 Mbps
- 600 Mbps
- 1 Gbps

ACCU-Ring Custom Choices – Multiplexing Options
Provides multiplexing capability on standard channels for economical management of traffic entering and exiting the ACCU-Ring:

Transmuxing Option
- Aggregates multiple DS1s into DS3 signals
- Available for OC-3, OC-12 and OC-48 ACCU-Rings

SONET Multiplexing Function (SMF)
- Aggregates DS3 and OC-3/OC-3c into OC-3 and OC-12 signals
- Available for OC-12 and OC-48 ACCU-Rings

For more information contact your AT&T Representative or visit us at www.att.com/wholesale.