

Atelis AccessBoard ITSP is a telecom switching, applications and services infrastructure that functions as an all-in-one management tool for all IP telephony services. It integrates Call Control Services, Client Management, and a Reporting Engine to provide VoIP residential services. Atelis AccessBoard ITSP easily interacts with external mechanisms, and uses its built-in facilities for services such as billing, reporting, customer back-office and customer self-provisioning.

Key Benefits

- Integration of all VoIP services on one platform for easy deployment and handling
- High interoperability with industry standards - SIP, IAX2 and Skinny™
- Utilization of standard IBM/Linux server environments
- High scalability and reliability
- Allows rapid entry into the VoIP market with minimum investment



Atelis offers easy and rapid deployment, simplified control and maintenance at the lowest available TCO.

About Atelis AccessBoard™

The Atelis AccessBoard is a hardware-software turnkey telecom switching, applications and services infrastructure. Combining the power of Class 4 services and the richness of Class 5 services into a single unified infrastructure, it provides full Carrier-grade telephony functionality with unprecedented flexibility for delivery of new facilities and services at significantly reduced TCO.

Atelis AccessBoard allows carriers to easily accommodate growth in capacity and service offerings, and permits green-field operators to deploy full-featured flexible telephony networks at a fraction of traditional costs.

Key Features and Benefits

- Plug-n-Earn reduces deployment and training periods from weeks to days
- Self-provisioning improves customer care and enhances the user experience while reducing demands on call center representatives
- Wizard-based management, control and reporting further cut operational costs
- Near-linear extensibility and growth are assured by Atelis BioCluster™ simplified P2P clustering technologies.
- Robust redundancy and system availability features
- Proven interoperability with most SIP devices
- Feature-rich SDK gives customers unlimited flexibility in adding new services

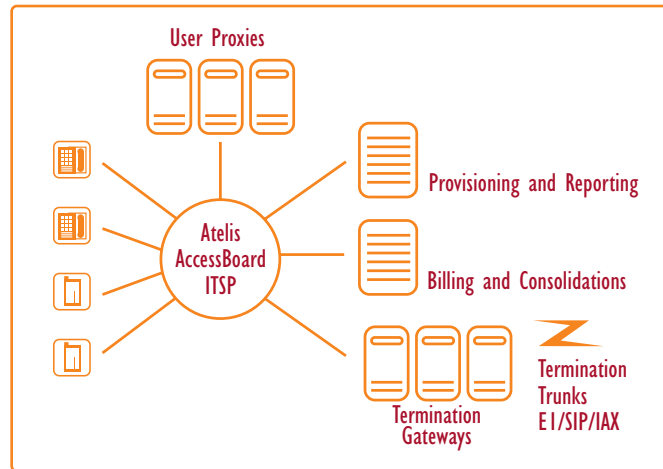
Available Atelis AccessBoard Solutions:

- AccessBoard ITSP - Internet Telephony Services Platform
- AccessBoard IP Centrex - Internet Telephony Centrex Services Platform.
- A full range of AccessBoard Media Gateways
- AccessBoard IN Service Modules

AccessBoard™ ITSP

Internet Telephony Services Platform

A typical Atelis AccessBoard ITSP deployment



Technical Specifications

Subscriber Data Access

- Realtime subscriber registration and data retrieval
- Single subscriber registration environment
- Full SQL access to subscriber database with near realtime updating ability
- Subscriber registration peering via P2P infrastructure (Atelis BioCluster™)

Services Development

- Agnostic call-processing and dial plan logic
- Programming language independent

Signaling Protocols

- SIP
- IAX2
- SCCP (Skinny)
- MGCP
- ISDN Q.931
- SS7 (in development)

Scalability and Performance

- Optimized for high performance and high reliability, via decentralized control and management structures
- Distributed configuration environment ensures no single point of failure across all platform components

Fault Tolerance and Reliability

- Automatic failover of any component within the AccessBoard BioCluster™ realm
- Full platform disk mirroring for all installed servers
- 99.999 percent availability
- Support for geographic failover
- CPU utilization protection

Hardware Specifications

- **User concentrators:**
IBM x336 Server
2GB RAM
2 x 73GB SCSI Hard Drive (RAID-1)
- **Database SQL node:**
IBM x336 Server
8GB RAM
2 x 73GB SCSI Hard Drive (RAID-1)
- **Database SQL storage node:**
IBM x346 Server
8GB RAM
6 x 73GB SCSI Hard Drive (RAID-5 + Hotspare)
- **Database External Storage:**
IBM External Storage Device, dependent on the physical configuration on site
- The above hardware specification can be replaced by an IBM Blade Center solution, depending on the installation environment.



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