




converged IP telephony made simple
atelis accessboard : multiservice IP telephony services platform



The Atelis AccessBoard ITP

Atelis AccessBoard is an advanced IP Telephony Platform (ITP), capable of handling multiple services for multiple simultaneous calls concurrently.

- Atelis AccessBoard is based on the Atelis NGX-1 switching core, implemented as an application layer switching environment, fully installed on Linux™ servers.
 - Atelis AccessBoard utilizes best-of-breed technologies with Atelis proprietary technology, providing the best solution for servicing IP telephony services.
 - The general architecture of Atelis AccessBoard enables rapid growth and expansion, literally negating the requirement to make previous investments in the platform redundant when upgrades or expansions are required.
 - Thanks to its highly modifiable software core, AccessBoard components can be shifted from one role to another within the AccessBoard architecture, making it the most economical solution for IP telephony provisioning.
 - With AccessBoard, service providers can successfully compete by increasing their revenues, reducing churn and improving profitability.
 - Turn your existing world wide IP provider network into a world wide IP telephony network, without the need to invest in rigid, non-upgradeable technologies and ensure that your investment is protected.
- 
- A decorative graphic consisting of several thin, curved orange lines that sweep across the lower half of the page. Each line starts with a small orange circular dot. The lines are interconnected, creating a sense of flow and movement. One line starts near the first bullet point, another near the second, and a third near the fourth, all eventually curving downwards and to the right.

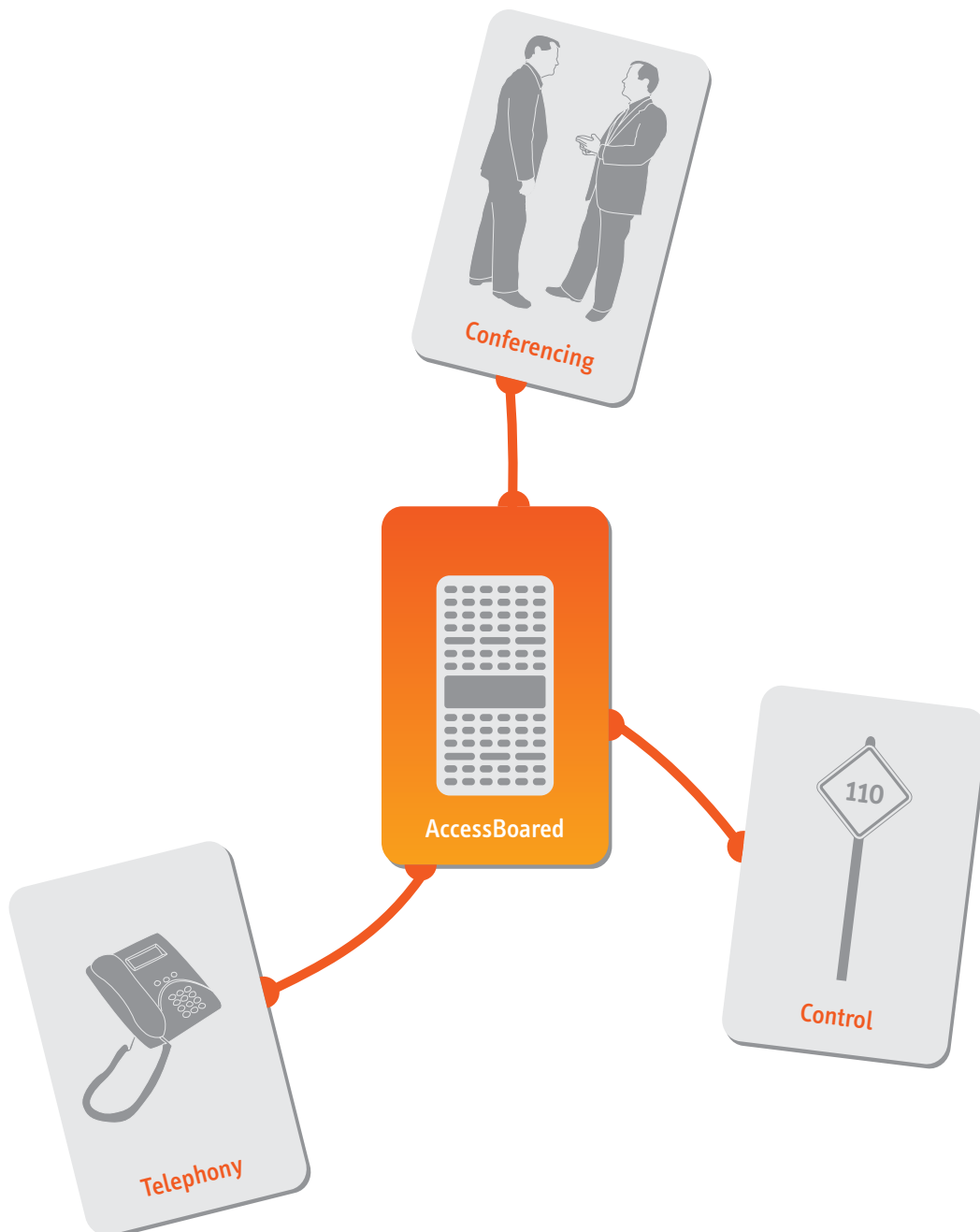
AccessBoard: The key to maximizing today's IP income

As a result of the dot.com explosion in the late 1990's, many of the surviving IP transit providers and Internet service providers had expanded their backbone network. Today, existing IP core networks are underutilized, resulting in loss of profitability of existing IP backbone networks.

Atelis AccessBoard enables existing IP transit providers and Internet services providers to easily utilize their existing backbone network and peripheral networks to provide IP telephony services and voice enabled services.

Atelis AccessBoard caters precisely to the provisioning and creation of IP telephony services and voice enabled services, within an existing IP core network - thus, negating the requirement to build a dedicated network for IP telephony.

Be it simple IP telephony, handling of toll-free numbers routing or creating virtual office PBX spaces (IP Centrex), Atelis AccessBoard will cater these, and more.



Features you can build your network on

Smooth integration to existing NGN networks

Simultaneous support for TDM (E1/T1) and VoIP connectivity (SIP/IAX2/MGCP) enables an elegant manner for connecting VoIP subscribers to your existing NGN platform.

Built-in class 4/5 features

External class 4/5 features, such as: VoiceMail, Call Forwarding and Number Routing are an integral part of AccessBoard, negating the need for a separate class 4/5 applications environment.

Features Versatility

Utilizing simple configuration methodologies, accompanied with industry standard programming languages, introduction of new services to AccessBoard becomes a matter of hours or days, not weeks and months - as with traditional telephony platforms.

Platform Modularity

Based upon a single NGX-1 core component, AccessBoard can be expanded at ease, without the need to perform platform shutdowns or rendering existing parts as redundant. Thanks to its software core, AccessBoard can be shaped and molded to fit your exact platform requirement, enabling the best ROI in the market.

High Density

An exceptionally compact platform structure can host up to 1500 registered users, with a termination power of 120 concurrent calls in as little as a 4U enclosure.

Carrier Grade Service

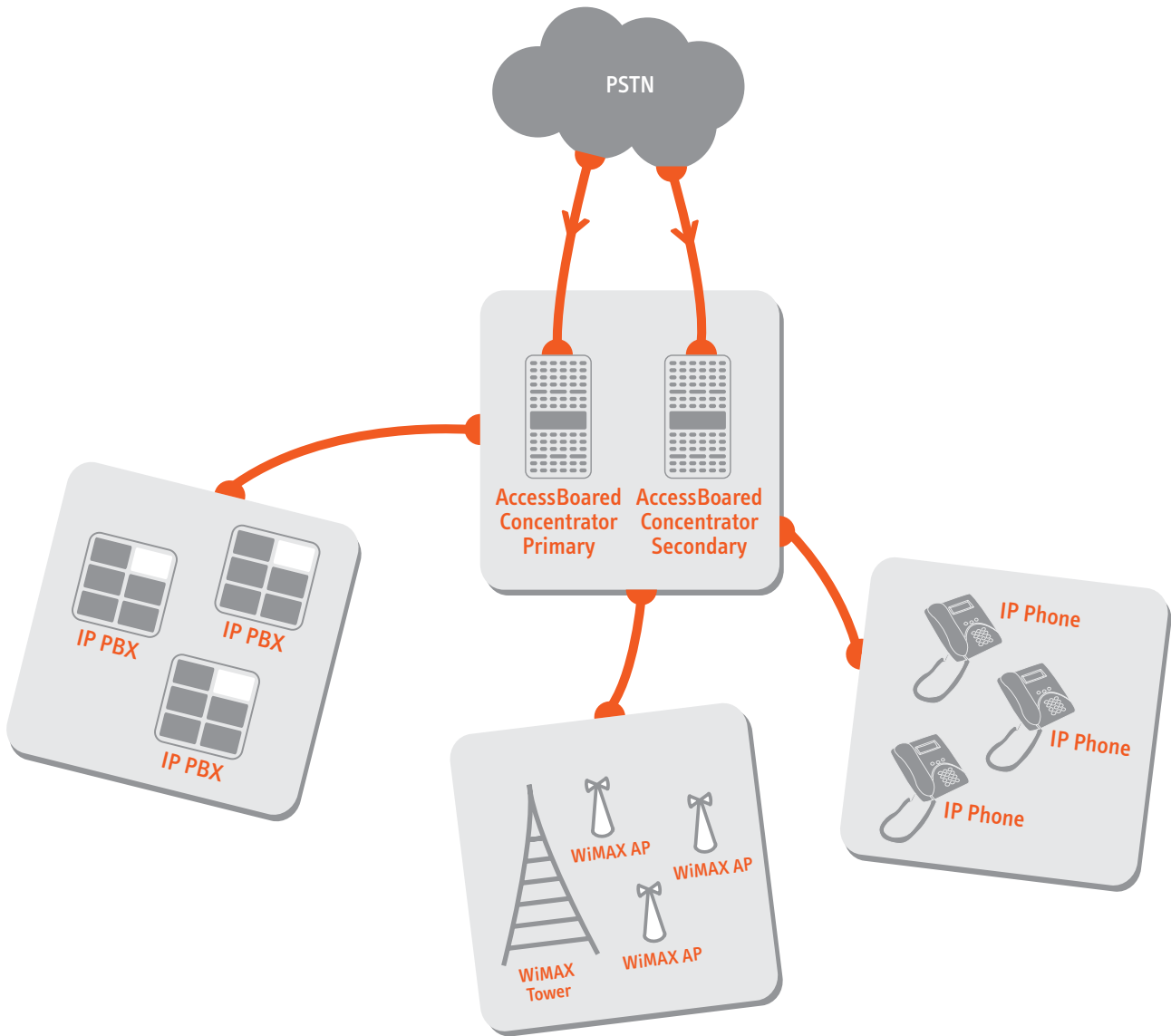
AccessBoard offers a high level of immunity to failures, ensuring a continuous and reliable service. All system functionalities are redundant, self-monitoring and self-correcting, ensuring carrier grade reliability and availability.

Multivendor Interoperability

AccessBoard is fully tested with multiple vendor equipment to ensure VoIP and TDM interoperability. Successfully tested with vendor equipment from Cisco™, Nortel™, Avaya™, Veraz™, ZTE™ and others.



Implementation Example



*AccessBoard is capable of handling both wired and wireless clients at the same time

With the ability to seamlessly connect multiple terminals and various IP enabled PBX equipment, AccessBoard is an ideal solution for providing IP based telephony services.

Be it directly wired IP terminals (via an IP broadband connection) or a wireless IP terminal (WiMAX connections), any SIP compliant end terminal can be connected to AccessBoard.

AccessBoard serves both as the core switching equipment and the end user services point, making it the ideal solution for Triple-play service providers. Utilizing an existing Triple-play transmission medium, and SIP enabled set-top boxes, enabling voice services within the Triple-play environment becomes a painless exercise.

The AccessBoard Advantage

Based upon a single NGX-1 core component, AccessBoard can be expanded at ease, without the need to perform platform shutdowns or rendering existing parts as redundant. Thanks to its software core, AccessBoard can be shaped and molded to fit your exact platform requirement, enabling the best ROI in the market.

AccessBoard serves both as a switching environment and as a user services switch. This dual functionality enables AccessBoard to reduce the costs of 3rd party provisioning tools, usually required by other vendor equipment (Cisco™, Veraz™, Sonus™, etc).

AccessBoard Services

- Call Routing
- Call Monitoring
- Voice Mail services
- Conference services
- VR support
- ACD support
- Call back services (through additional licensing)
- Web based conferencing (through additional licensing)
- And more ...

The Atelis Advantage

Atelis has positioned itself at the front of the telecommunications industry with a fresh concept: "Carrier grade solutions at an affordable price". Atelis's roots are deep into the open-source community, with strong links and contributions into various projects across the open-source world.

Through its open-source roots and its proprietary technology, Atelis is able to provide a best-of-breed solution for the telecoms industry, based upon a mixture of field proven open-source technologies and proprietary software written by Atelis.

Atelis believes that open-source technologies will become a dominant part of the telecoms industry in the years to come. Atelis aims to spear that change, and to make sure that open-source technologies are both integrated and supported successfully in the telecoms industry.

The Asterisk Advantage

- Asterisk™ is an open-source softswitch environment, developed by Digium™.
- Asterisk™ had been adopted by multiple Tier-1 carriers around the world and the platform of choice for various class 4/5 services.
- Asterisk™ development and testing is backed by a user base and developer base of thousands of people around the world, making it the biggest user base for any softswitching environment.
- For more information about Asterisk™, the open-source PBX, please refer to <http://www.asterisk.org> or <http://www.asterisk.org.il>



atelis. smartelephony
www.atelis.net



Atelis PLC(headquarters)

1 Ropemaker Street
London, EC2Y 9HT, UK
p. +44 1865 327 475
f. +44 1865 326 707

Atelis Israel (r&d and noc)

Sapir 5, pob 12035
Herzelia 46733, Israel
p. +972 9 9611 244
f. +972 9 9611 244