



## Ethernet DSL Access Making Broadband Profitable

Ericsson is successfully leading the implementation of broadband access solutions based on standardized Ethernet. Ethernet DSL Access is an innovative and cost-effective DSL solution designed to facilitate DSL mass-deployment and make it a profitable business for operators. This is achieved by delivering high bandwidth, high manageability, and high quality assurance features.

**Who is the solution for?**

The solution is suitable for operators wanting to build a cost-effective broadband access network, while reusing the existing investments in copper networks, yet without compromising on the ability to provide new high-bandwidth services.

**A cornerstone of the Public Ethernet Portfolio**

As part of Ericsson's Public Ethernet Portfolio, Ethernet DSL Access fulfils the requirements of full ADSL performance on all lines simultaneously, and is therefore capable of supporting the demanding multimedia services of the future. The use of standard interfaces and protocols combined with the use of Ethernet as the transmission technology means a minimum of protocol conversions and simpler manageability.

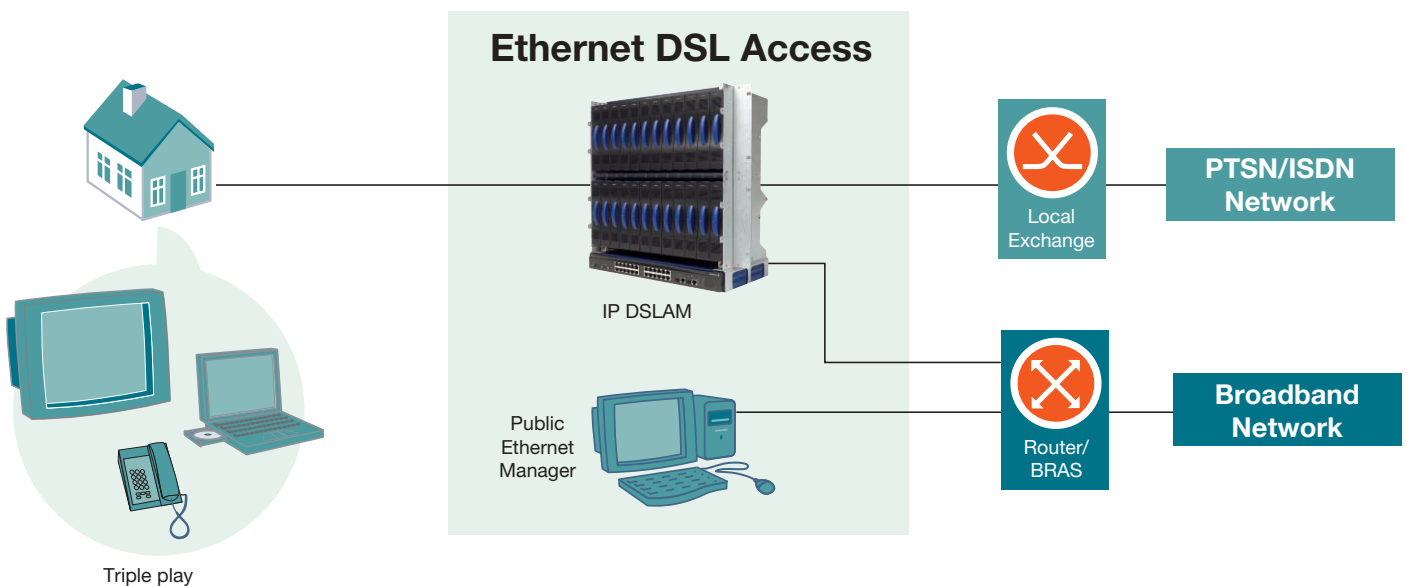
**Ethernet DSL Access – the solution**

Ethernet DSL Access supports high-speed triple play services, including more advanced services such as multicast. Among the market leaders in DSL development, Ethernet DSL Access constantly focuses on integrating the latest DSL standards with best in class performance. Ethernet DSL Access supports multi-standards ADSL, ADSL2 and ADSL2+ on the same subscriber line.



IP DSLAM with 288 ADSL, ADSL2 or ADSL2+ lines

Designed for mass-volume broadband rollout, Ethernet DSL Access is scalable from 12 up to 7000 lines per IP DSLAM, and the compact 288-line IP DSLAM is ordered, delivered, installed and commissioned as one single unit. An ETSI compliant outdoor solution is also available. On the end-user side, standard DSL modems are used, and on the access transport side, cost-effective Ethernet technology minimizes aggregation and transport costs. The element manager for Ethernet DSL Access - the Public Ethernet Manager - safeguards a high-performing, Multi-service access system that is easily expanded. A network configuration tool enables secure service provisioning, and standard northbound interfaces enable a smooth integration into an overall network management system.



- **Reaches all users**

Ethernet DSL Access offers the unique possibility to support the bandwidth demands of all users with up to 25 Mbps (ADSL2+). With a simple software command, service levels can be altered, enabling flexible and quick service upgrades. Through the support of various ADSL types and annexes, symmetrical services and long reach can be offered, all enabled by the very same hardware unit. Reaching all users requires a cost-efficient mass-market solution and Ethernet DSL Access reduces site entry costs substantially with its unique scalability and use of Ethernet technology.

- **Always delivers the demanded capacity**

The solution is designed without any concentration in the IP DSLAM, hereby eliminating bottlenecks found in traditional solutions, including router blade solutions. By removing network bottlenecks, operators prepare their network for future services and end-user demands. The IP DSLAM supports multicast functionality to avoid excess unicast streams in the network. As demands for capacity and broadband penetration grow, efficient use of network capacity becomes a critical issue.

- **Provides a profitable business case**

Ethernet has become the leading access technology standard because of its simplicity in deployment, compatibility with IP, and, above all, price-to-performance ratio. The use of Ethernet technology drastically reduces the access network total cost of ownership. Ethernet DSL Access enables the operator to cost-efficiently provide capacity-demanding personalized services with guaranteed high-level quality of service and capacity. This opens up the possibility for new services and increased revenue.

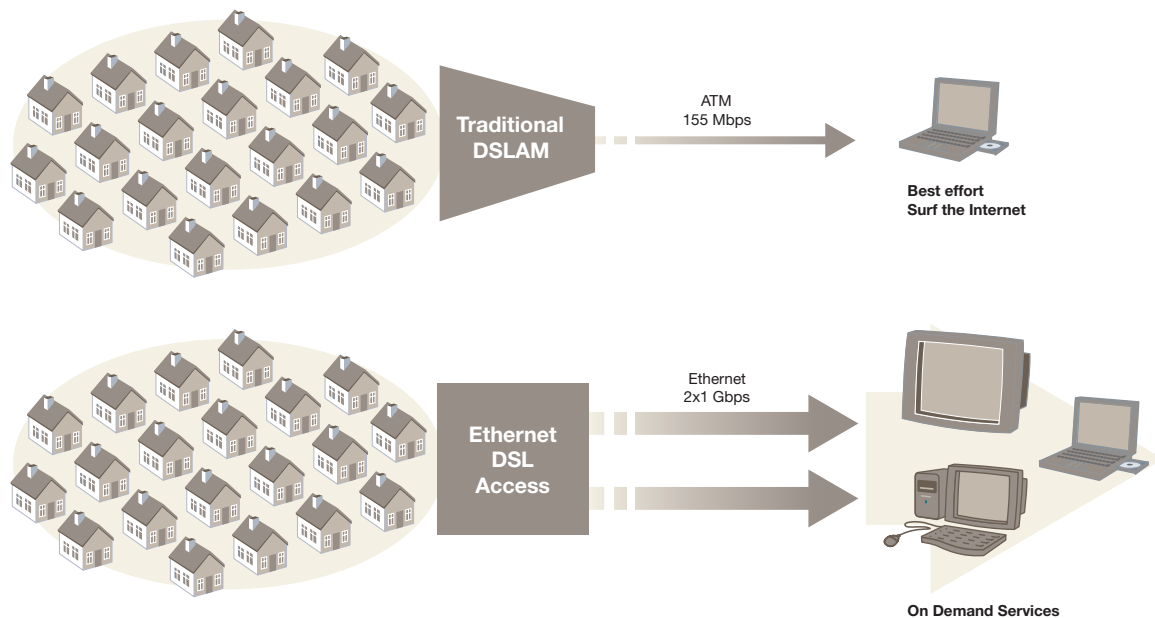
- **Assures constant uptime**

A secure and stable network and constant service availability with no downtime is vital to the operator. The Ethernet DSL Access redundancy feature ensures telecom grade uptime. This is made possible by combining dual Gigabit uplink with an automatic changeover protocol (RSTP). Link Aggregation is also available for operators who prefer a 2 Gigabit uplink.

**Ethernet DSL Access – provided by the pioneer in Ethernet access**

- **Telecom grade service**
- **Reaches all users with the demanded capacity**
- **Delivers a profitable business case through cost-efficiency and profitable services**
- **Assures telecom grade uptime**
- **Offers triple play services and multicast**

*For more information about Ethernet DSL Access, please visit [www.ericsson.com](http://www.ericsson.com) or contact your local Ericsson representative.*



Ericsson is shaping the future of Mobile and Broadband Internet communications through its continuous technology leadership. Providing innovative solutions in more than 140 countries, Ericsson is helping to create the most powerful communication companies in the world.