

EPL Service Access – Dual Head-end

- Connect your company addresses to duplicate data centres
- Automatic failover between datacenters
- Optional redundant network solutions
- Same high traffic quality as Ethernet Private Line (EPL) by GlobalConnect
- Also suitable for redundant access to GlobalConnect Cloud Services

More and more It applications are vital parts of the daily operation. Therefore, it has become common to place It resources in duplicate data centers. This applies both when using own servers, and when using Cloud-based solutions with redundancy. EPL Service Access and Dual Head-end creates secure access to corporate It resources from all company locations.

EPL Service Access

EPL Service Access establishes a connection between your company addresses and two data centers, forming a closed network with 3 endpoints. There is always a connection to both data centres during normal operation, while the company addresses do not have access to each other's networks.

Dual Head-end

Dual Head-end is a network portal, which gives access to two Data Centers via an EPL Service Access to each address. If one data center fails, all addresses still have access to the other data centre. The solution not only allows auto-failover between data centres, but also load sharing and distribution of application resources across the two data centers. A Dual Head-end can connect to multiple EPL Service Accesses.

Network redundancy options

EPL Service Access can be ordered with equipment- and network redundancy in different variants. If you order Dual Head-end with Full Diversity, the two accesses to each datacenter maintains complete separacy all the way into GlobalConnects backbone network.

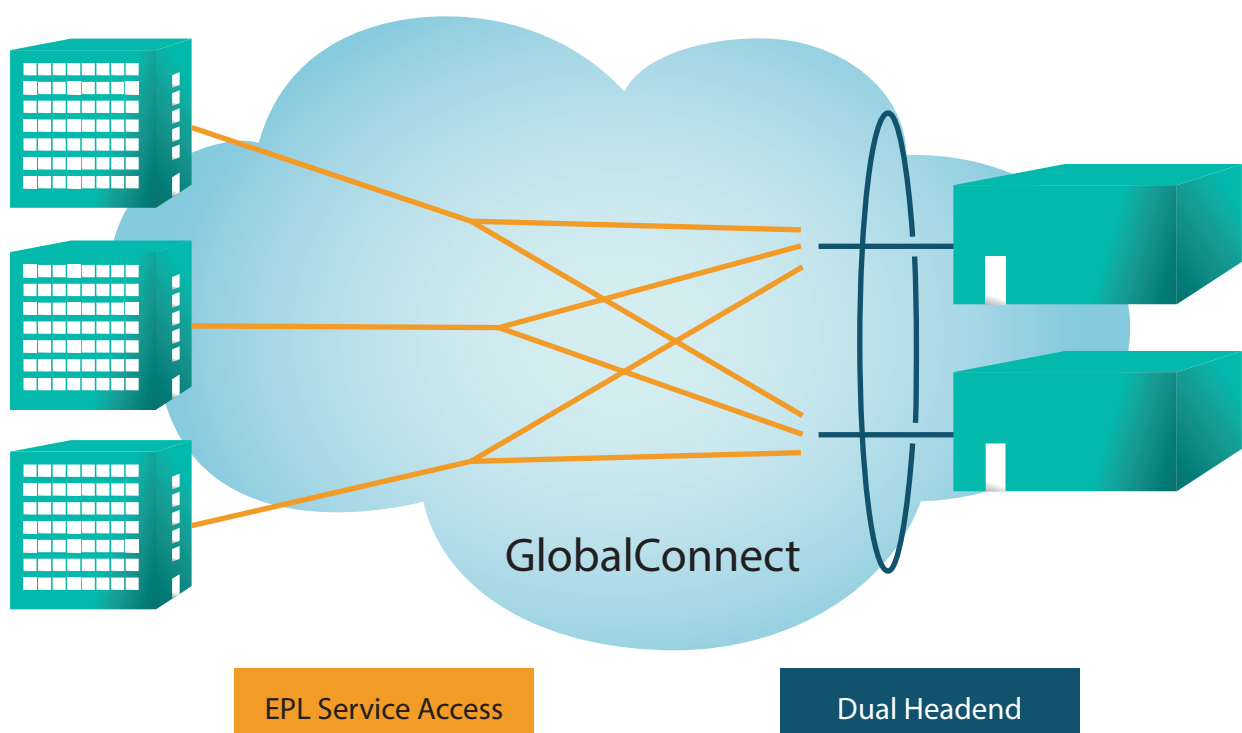


Figure 1: EPL Service Access and Dual Headend connects your addresses to duplicate data centres.

Technical data

GlobalConnect Cloud Services

EPL Service Access can also connect your addresses directly to GlobalConnects fully redundant Cloud Service, located in two geographically separate data centers. EPL Service Access completely separates the connection from the Internet, and deliver guaranteed bandwidth, just like the high standards of Ethernet Private Line (EPL). EPL Service Access ensures access to the cloud, even if one cloud centre is out of service.

Layer 3 configuration

EPL Service Access and Dual Head-end is by default a Layer 2 solution (Ethernet), but if the network architecture prescribes it, we can deliver the solution in a Layer 3 configuration (optional).

	EPL Service Access	Dual Head-end
Speeds	2 Mb/s – 10 Gb/s	Max 500 Mb/s Max 3 Gb/s Max 10 Gb/s
Redundancy options	<ul style="list-style-type: none"> • Backbone Protection (standard) • Auto failover • Full Diversity • Partial Diversity 	<ul style="list-style-type: none"> • Std. Route (Separation between the two network routes is not guaranteed) • Fuld Diversitet (Full separation between the two network routes)
Quality of Service	Bandwidth guarantee Latency < 10 ms Packet loss < 0,01% Jitter < 1 ms	Guaranteed bandwidth is available if the Dual Head-end is not overbooked, as determined by the total speed of connected EPL Service Accesses.*
Additional data	See the data sheet for Ethernet Private Line	

* The service should be terminated in a router, firewall, or the like, as the two head-ends may not be connected to the same Ethernet segment.