FiberCop

GIGANET BRIDGE

Get on our network and enter the future!

GIGANET BRIDGE

It is a service of an infrastructural nature, which is set up to terminate a very large number of Giganets at the same location. The service is modular and scalable, starting with a minimal configuration and growing according to your needs, taking advantage of economies of scale and space and process optimisations. Thanks to the Bridge, you have a bridge that makes our transport infrastructure directly available to you.

Service features

Optical Channels	Fault recovery times	Coverage
Up to 40 optical channels at 100 Giga available, for a very large number of connections depending on how the transponder types and interfaces are chosen	For protected connections: **4:30 h** For unprotected connections: **8:00 h**	Possible to provide the service wherever the two endpoints of the connection are located in the country

Who is it for?

The offer is for Authorised Fixed, Mobile or Wireless Network Operators wishing to set up star centres where they can terminate a large number of Giganet connections, exploiting economies of scale and the advantages of direct sales.

In the new public Bridge version, through a co-investment with data centre owners, this infrastructure can be an extension of the transport network, available to all operators, in the points where the demand for Giganet connections is highest (exchanges, data centres, etc.).

Description

Giganet Bridge is an infrastructure that allows an optimised and cost-effective termination of a very large number of Giganet connections at the same Customer site.

Structurally, it is a high-capacity customer queue, which **preemptively builds** for future Giganet connections terminated at the customer's star centre, the route from the customer's premises (Bridge Base) to the DWDM node of transport network (Bridge Rising).

There are two types of Bridge.

The **Bridge Basic**, which features a one-way queue, where multitransponders are installed on each device, providing Ethernet ports for Giganet connections. The various streams are multiplexed on the same fibre pair, where up to **38 optical channels** can be realised (see figure below).

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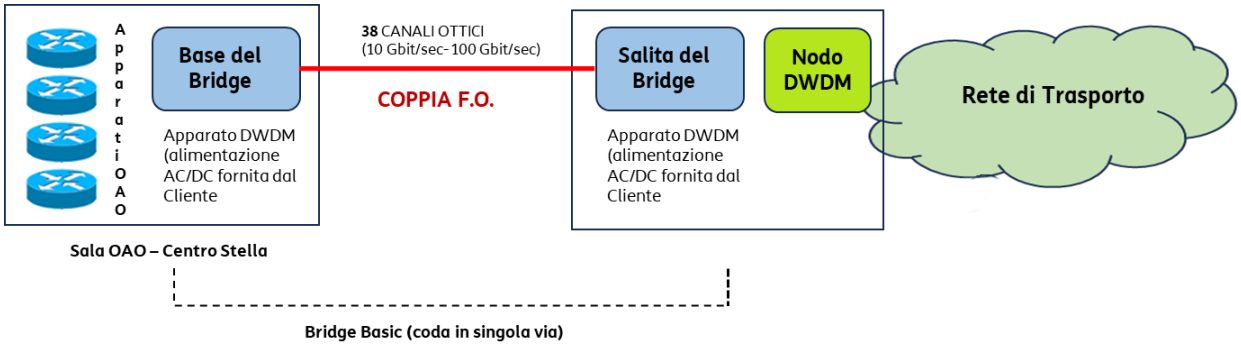
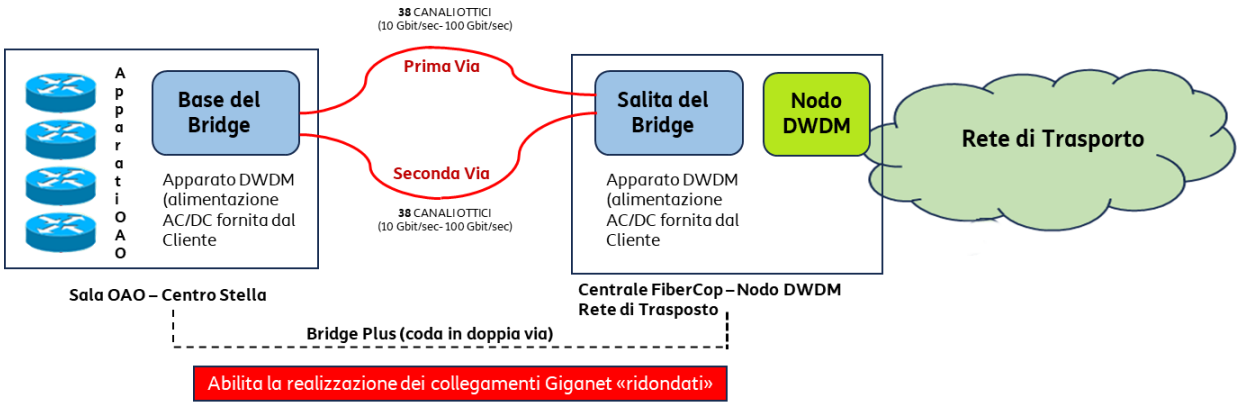


In the case of **Bridge Plus**, the queue is redundant and there are two paths, each with 38 optical channels, on which to route flows.



The types of transponders that can be installed on the bridges are as follows:

TIPOLOGIE DI TRANSPONDER
100 GBE
10x10 GBE
4x10 GBE
2x10 GBE
10 GBE
16x1 GBE
8x1 GBE protezione solo accesso

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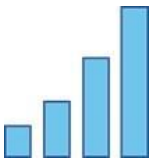

The solution is **scalable** and allows great **flexibility**. You can start with a **minimal configuration** of transponders installed and immediately usable, depending on your needs at the time. If necessary, they can be **added at a later date** additional components and expand the potential of the Bridge, up to saturation.

By **sharing** the same infrastructure for several connections, increasingly important **economies of scale** are realised as the number of connections using the bridge increases.

Finally, the fact that a connection component is already pre-installed means that attention can be focused on building just the part that still needs to be made, which speeds up delivery times.
Offer times are also improved due to the fact that if the bridge is not saturated, the customer's location is immediately on net, so it is easier to be in direct sales conditions, with the possibility of having offers without needing to wait for feasibility times.

Normally, the Bridge must be made in advance before it can be used. To make an offer on a bridge, a **feasibility study** must always be carried out in **advance** (both for the first implementation and any subsequent expansions) based on the customer's requirements.

The service is unregulated.

The price structure includes a **one-off contribution (UT)** and a **monthly fee** to implement each Bridge.
For any **upgrades**, only a contribution (UT) is expected, without varying either the fee or the duration of the Bridge.
A stand-alone bridge can only be used for Giganet connections.
The minimum standard duration of a Bridge is **five years** and, if no termination is requested by the customer, the duration is automatically extended from year to year.

Prices

The price structure includes a **one-off contribution (UT)** and a **monthly fee for** each connection.
Prices are a function of the distance and solution chosen, and the level of equipment in the Bridge:
a monthly fee is combined with an activation fee to cover infrastructure costs;
subsequent upgrades will not lead to changes in the fee, but only to contributions for additional HW.


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