



# pOLTA Pluggable OLT Abstraction

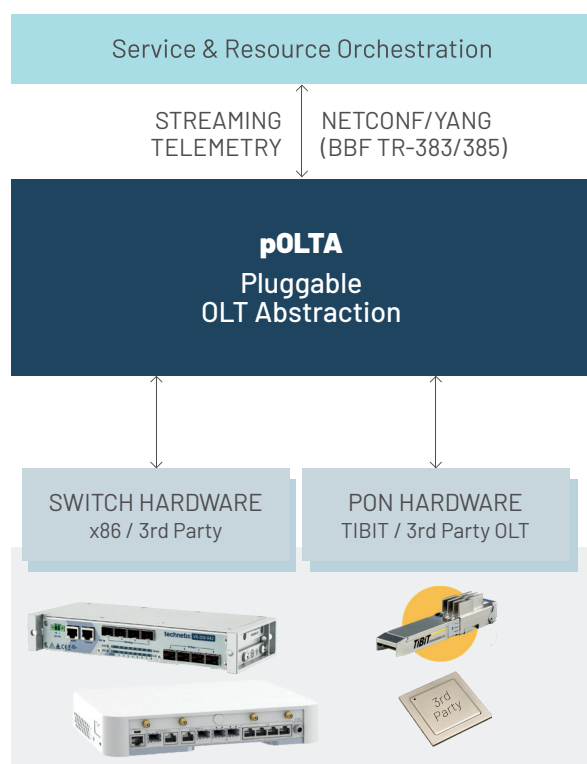
pOLTA is a **cloud-based provisioning tool** for **FTTH** services developed by BISDN. pOLTA simplifies the integration of both PON and switch hardware components from **different vendors** to be abstracted and exposed as an OLT device to avoid vendor lock-in.

pOLTA provides a standardized interface to service and access network orchestrators based on **BBF TR-383/TR-385**. The disaggregation is a key design principle to release the innovation and competitiveness in

the access network market. pOLTA enables software and hardware **disaggregation** providing whitebox OLT devices as well as a cloud-native control plane to build disaggregated architectures.

pOLTA provides a wide range of OLT deployment locations, from remote OLT to central office, thus enabling **cost efficient scaling** and easy transition from copper to fiber networks.

## TRANSFORM YOUR HARDWARE INTO A MANAGEABLE OLT



- BISDN pOLTA is a **software solution** for easy and convenient management and scaling of such OLTs.

- Combines **different PON and switch hardware options** to create a tailor-made disaggregated OLT to reach your target market.

- **Reduces time to market** to build your customized FTTH solution.

### PLUGGABLE OLT ABSTRACTION

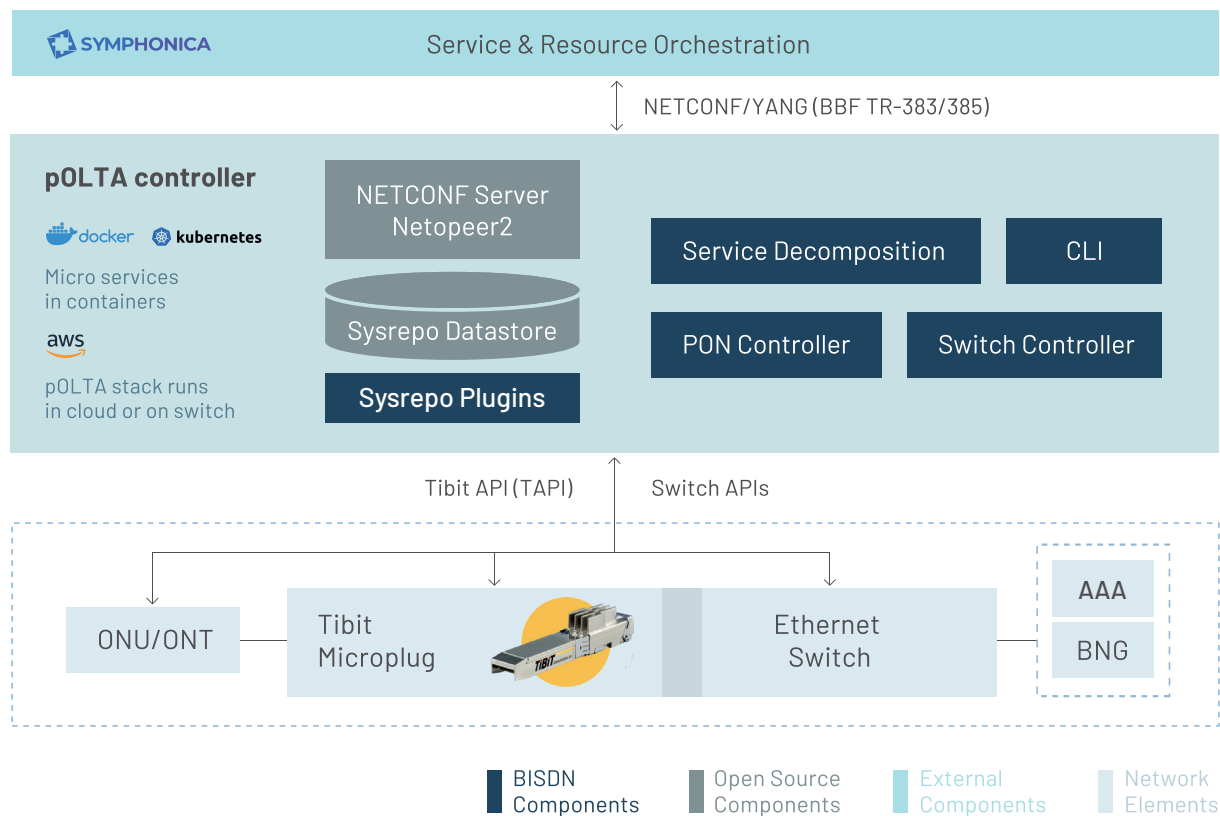
- Provides a single **BBF standardized** interface to assure compatibility.

- Hides the complexity of managing multiple hardware components by creating an **OLT abstraction**.

- **Multi-vendor** support by integrating a variety of PON and switch hardware of your choice.

- Solution **customizable** to your needs.

## STANDARDIZED PROVISIONING SOLUTION FOR DISAGGREGATED XGS-PON OLTs



### MULTI-VENDOR AUTOMATION

- Zero Touch Provisioning (ZTP)
- Infrastructure provisioning
- Service provisioning and activation
- Service profiles management
- ONU Inventory
- Streaming telemetry & alerts handling

pOLTA is the ideal software solution for a variety of TiBiT Microplug based OLTs, including remote OLTs, modular OLTs and high-density OLTs.

### ABOUT US

BISDN was founded in 2012 in Berlin, Germany, and set out to develop the software needed in the rapidly changing world of software defined networking. Based on long-standing experience in the area of telecommunication as well as data center networking, BISDN focusses on high-performance whitebox switching and open network software solutions. With BISDN Linux at the core of

most of their products, it covers end-to-end components for fiber access networks, from whitebox XGSPON solutions to vBNG.

In 2023, we co-founded BISDN S.L. in Bilbao, Spain. The Spanish team will concentrate on product development for our pOLTA product, and provide sales and support for the Spanish-speaking markets.

**BISDN GmbH**  
Körnerstraße 7-10  
10785 Berlin  
Germany

[www.bisdn.de](http://www.bisdn.de)  
[sales@bisdn.de](mailto:sales@bisdn.de)

**BISDN S.L.**  
Ogoño Kalea, 1 - Mod. 22  
48930 Getxo  
Spain

