

Whitebox OLT

ONIE & ONL

Open Network Install
Environment
&
Open Network Linux

LXC

Linux container
compliant



Telco Grade Hardware
Ready to
INSTALL ANYWHERE



Precision Time Protocol
Support for
Mobile Backhaul

Zyxel offers

Fiber

Mesh Wi-Fi 6

5G NR/4G LTE

Wi-Fi 7



**Technology
expertise**



**End-to-end
solutions**



**Customer-centric
mindset**



**Service and
technical supports**

ISP or Design and Requirements Mobile Operator Network



SINGLE POINT OF CONTACT (SPOC)

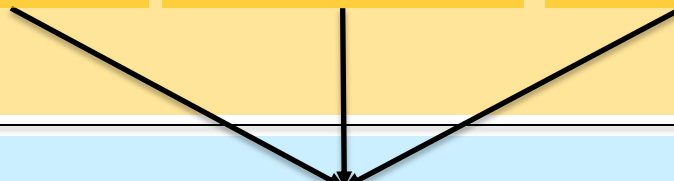
Global E2E System Integrator with Local presence for services, project management and support



Global Software vendor with virtual OLT abstraction supporting:



3rd Party SW/FW



Whitebox OLT with open, programmable platform for 3rd party developers

- E2E Solution
- PMO, Design, Integration, VV&T, Automation
- Cloud infrastructure and management services
- CI/CD Automation
- Automated Testing, Validation, Deployment
- In-life support

Integrator Services

SW Vendor

SDN apps, protocols

ONOS OS

Netsia BB Suite

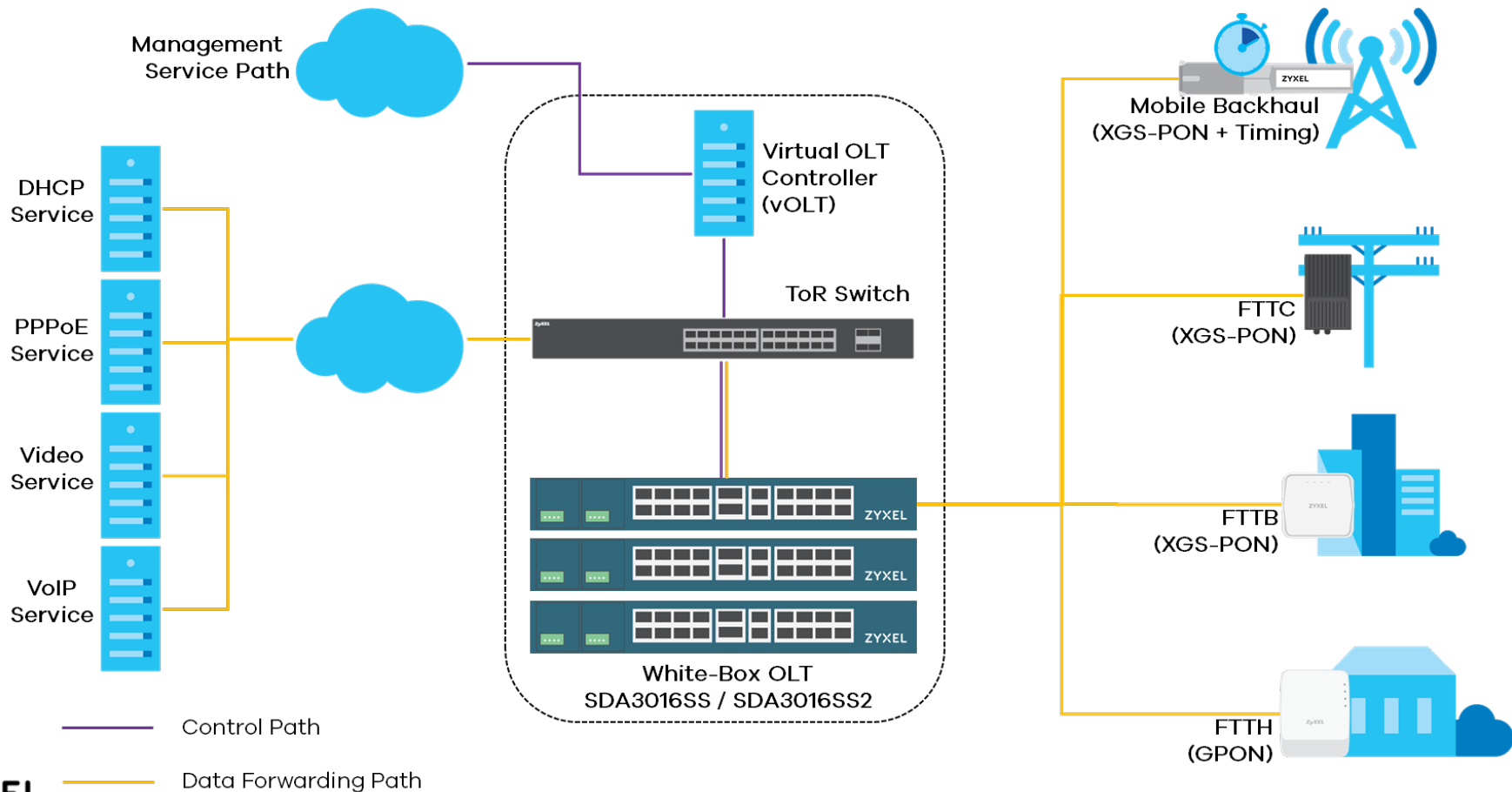
Commodity for mass selling

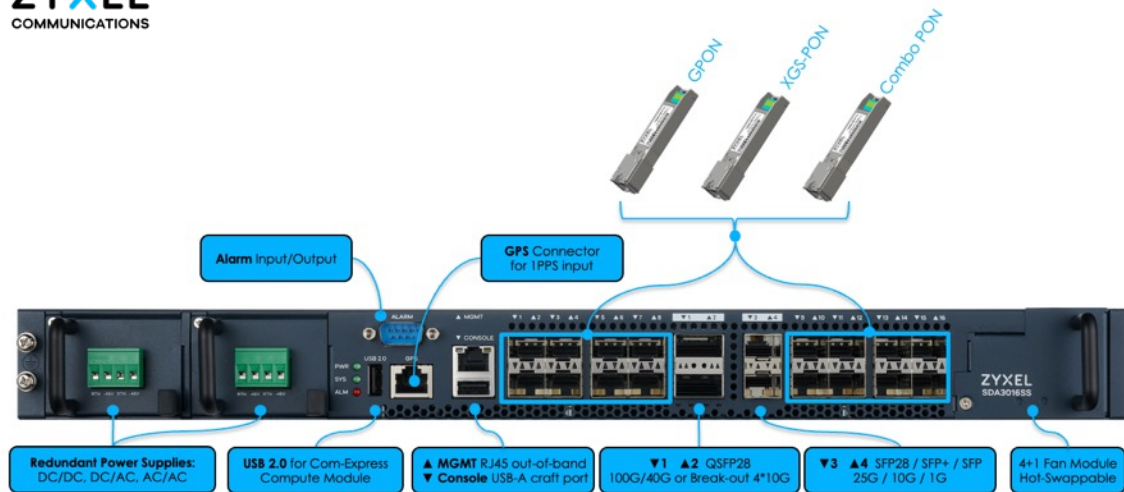
Merchant silicon

ZyXel WBOLT

HW Vendor

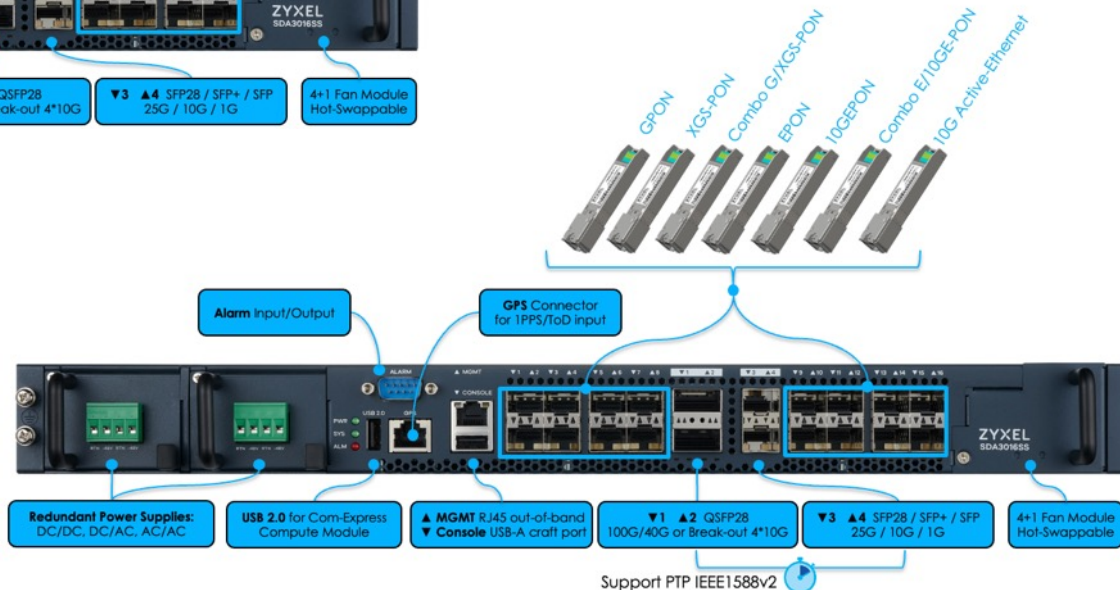
Disaggregated OLT Topology





SDA3016

SDA3016SS





Netsia

Productization of Open Source Platform

Netsia Broadband Suite (BB Suite)

- Netsia BB Suite is an enriched, telco-grade, field proven and supported distribution of ONF SEBA.

Core features

- Open-source based and disaggregated virtualized broadband solution
- Cloud-native with CI/CD pipelines
- Multiple OLT and ONU/ONT HW vendor support including white-box OLTs
- Vendor equipment mix and match for ONU and OLT, seamless vendor interoperability
- FTTx support with Triple-Play
- GPON, XGS-PON and Combo PON OLT support
- One-time integration to Operator OSS/BSS
- Zero Touch Device and Service Provisioning
- Centralized monitoring and management with FCAPS support
- Future proof, open architecture with open interfaces for easy extensibility and integration
- Support for different types of operator workflows
- Multi-tenancy / FANS2

Manageability

- SEBA tailored UI with full functionality and FCAPS
- In service software update for VOLTHA & ONOS
- Remote firmware update for OLT & ONU
- Device management
- In-band & out-of-band data plane management
- Dynamic LAG with LACP & multiple NNI2

Service Support

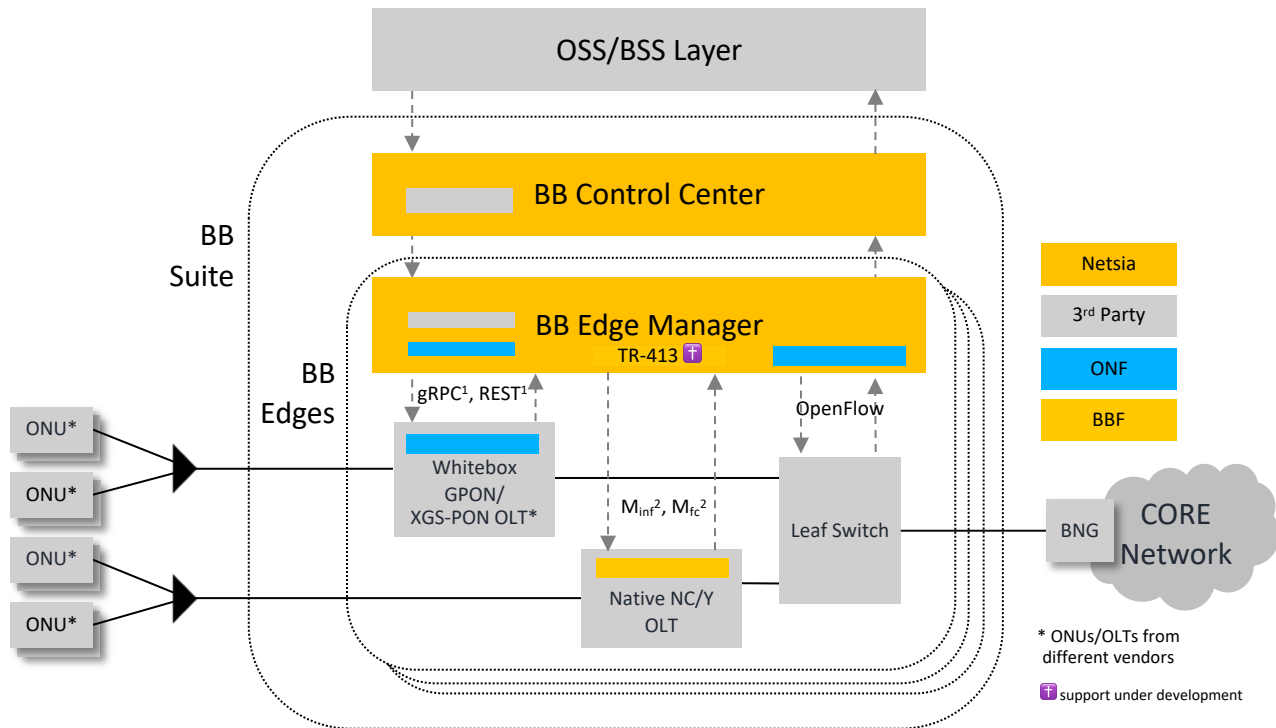
- Triple-Play services (VoIP, IPTV/VOD, HSI) plus RG management service
- Ready for new services beyond Triple-Play (PRI, VPN, P2P, ...)
- Multicast support with IGMP v2/v3, IGMP Proxy and IGMP Snooping
- Different types of operator workflows (different VLAN & pbit configurations, ...)
- Multi UNI ONUs1
- VoIP over ONU FXS port1



Netsia Broadband Suite (BB Suite)

Architectural Principles

- Device management
- In-band & out-of-band data plane management
- Dynamic LAG with LACP & multiple NNI2
- Disaggregated, compatible with white-box & gray-box OLTs
- Vendor agnostic
- Open-source based + support
- Cloud native based on K8s
- Microservices architecture
- Open & standards based interfaces (de-facto / non proprietary)
- Automated deployment & testing with DevOps CI/CD



Reach out today

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