

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**



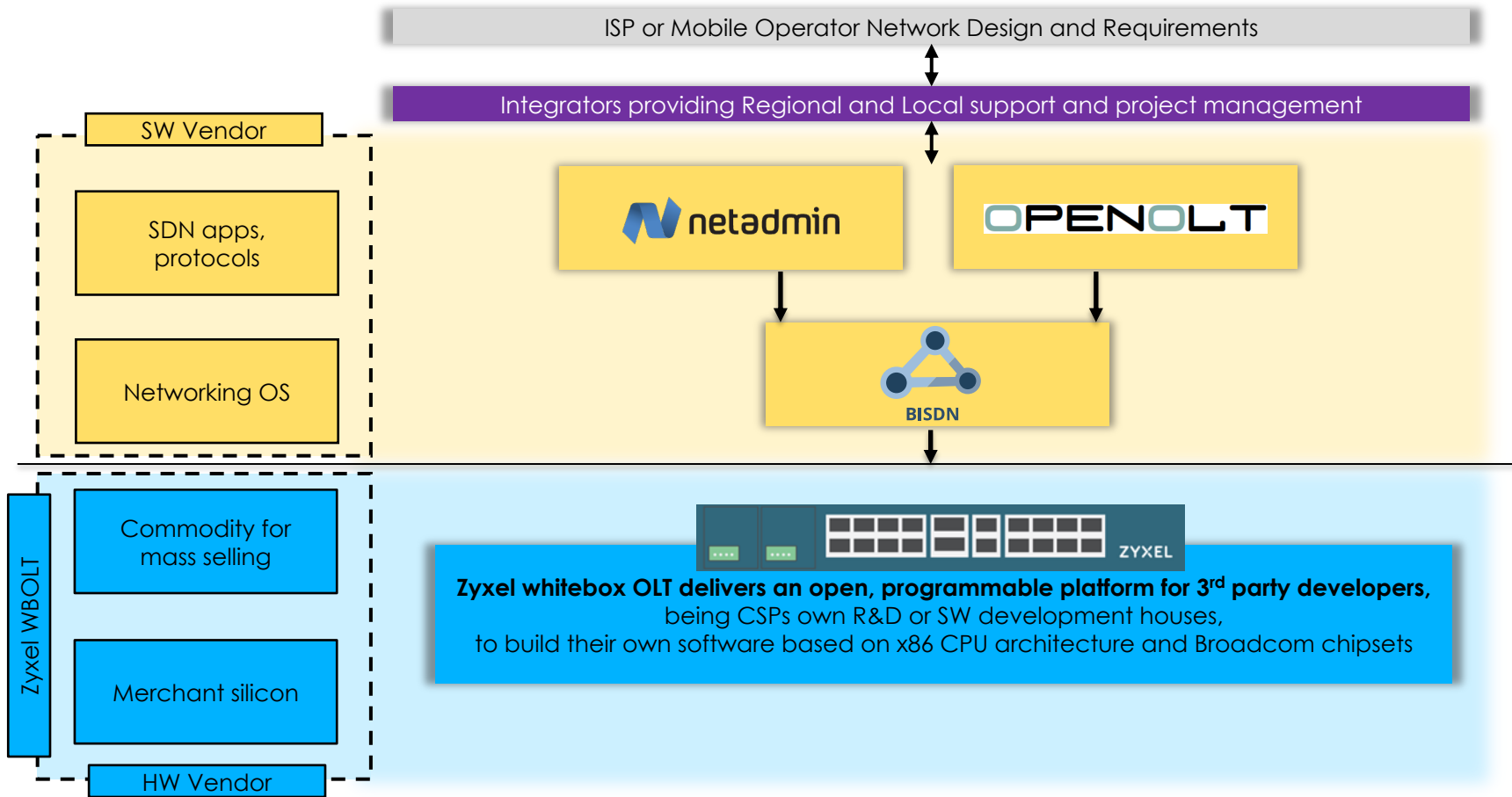
**End-to-end
solutions**



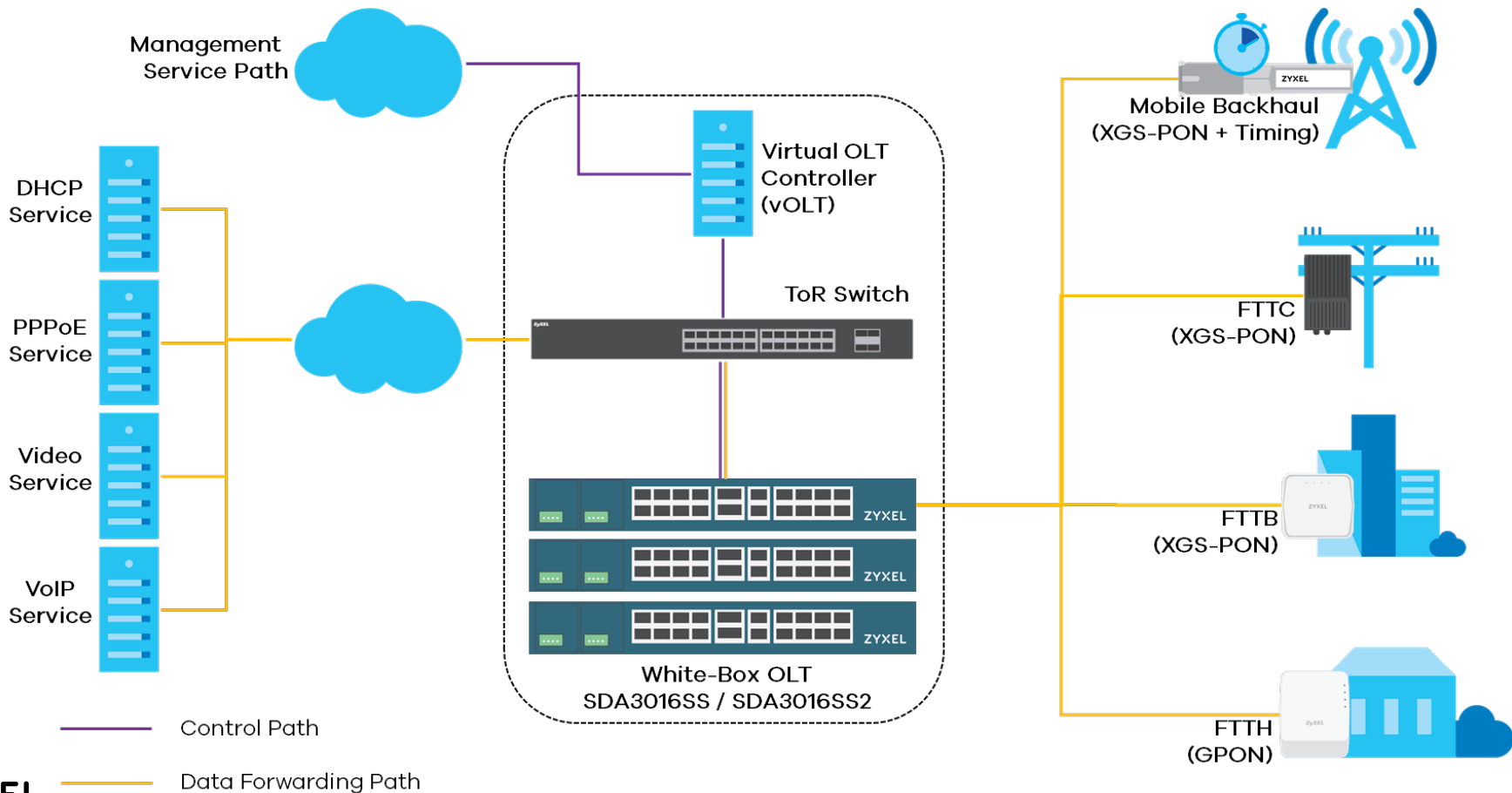
**Customer-centric
mindset**

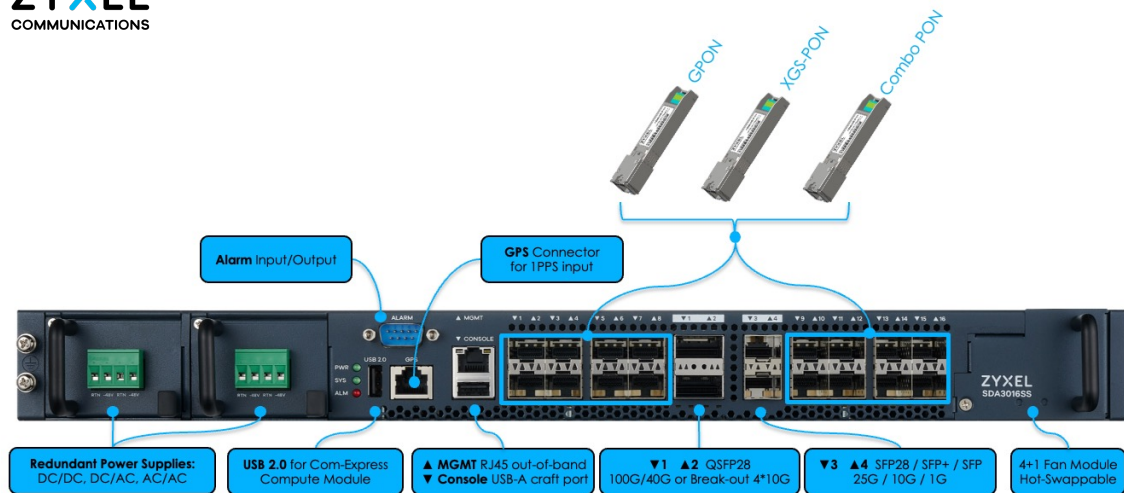


**Service and
technical supports**

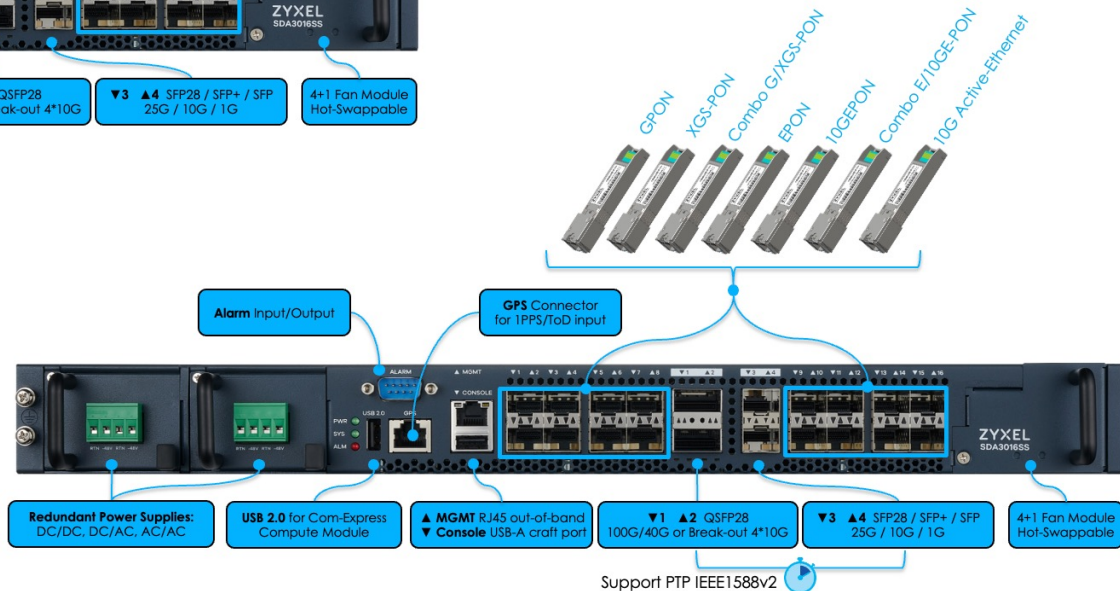


Disaggregated OLT Topology





SDA3016SS





Pluggable OLT Abstraction (pOLTA)

Zyxel SDA

BISDN – experts in whiteboxing networks!

2012: Self-funded and independent since inception

- Initial growth via R&D for service providers
- 25 employees by Q1 2024
- Mix of industry veterans (4 PhDs) and young engineers, multi-disciplinary team

2017: Product development of BISDN Linux whitebox operating system

- Latest release 5.1 as of Dec, 2023

2019: Carrier solutions based on BISDN Linux

- XGS-PON OLT in partnership with  **TIBIT** communications inc
- BNG: Broadband Network Gateway in partnership with 
- Legal Interception Gateway in partnership with (and for) 

2021: Open Core strategy for BISDN Linux

- Free and open source network OS
- Value-added applications for telco functions and system integration
- Demonstrations of vOLT @Swisscom, LI-Box @DT, vBNG @BBWF (w/ Vodafone+Intel)

2023: Founding of BISDN Bilbao

- Focus on pOLTA product for FTTx



Universal disaggregated OLT

Easily combine different PON and switch hardware options

Multiple Service Orchestrators

- Netadmin, Nokia Altiplano, Cisco NSO, Intraway Symphonica, OpenOLT

Multiple PON technologies

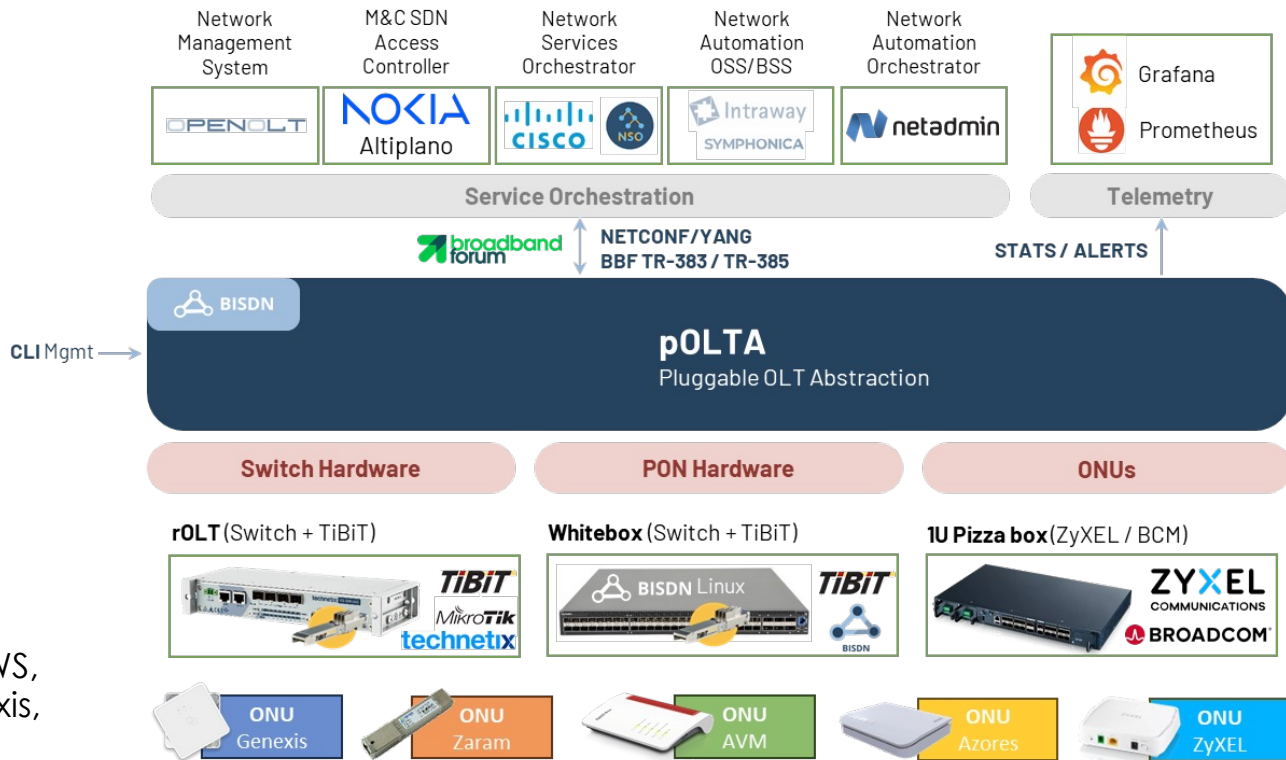
- GPON, XGS-PON, 25G PON
- Common NBI

Multiple platforms

- Switch: Technetix, Mikrotik, Broadcom
- PON: TiBiT, Broadcom BAL

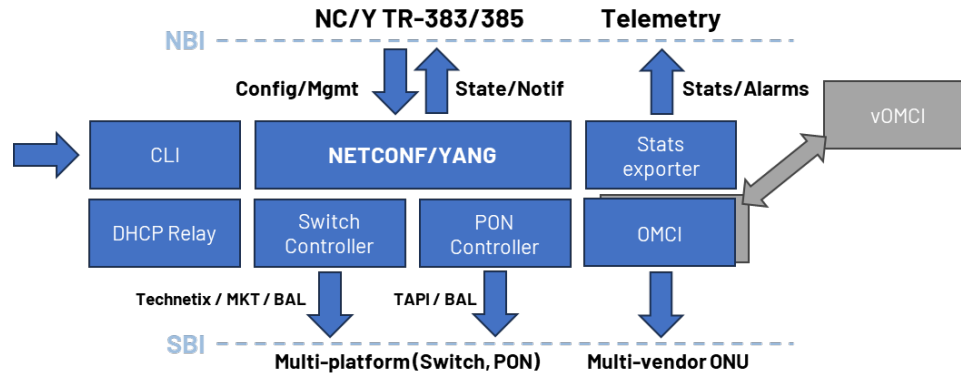
Multi-vendor ONU support

- Zyxel, CIG, AVM, Azores, BFWs, Zaram, DDKT, Icotera, Genexis, HALNY

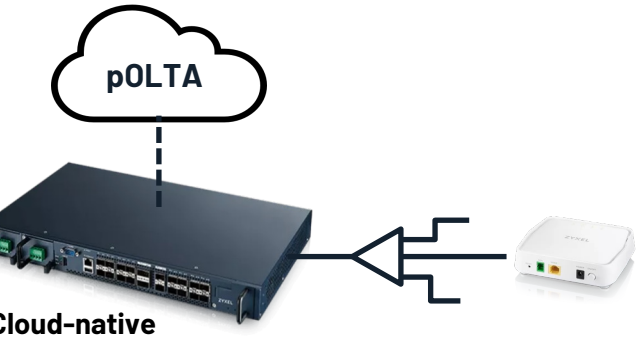


pOLTA architecture

OLT disaggregation



pOLTA deployment options on Zyxel SDA3016SS



Reach out today



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