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Open Source Access Manager (OSAM)

Vendor agnostic operation interface for managing consumer broadband devices and services

Integrated to the ONAP framework

Domain Specific Controller (DSC)

Disaggregation of control and management plane

Hardware abstraction (VOLTHA/OSAM-HA)

Abstract and harmonize hardware interfaces and data
xPON Specification

- 24 Port Programmable PON OLT
- Open Fiber Distribution Hub
Use of FPGA in OCP Telco

- Engagement with FPGA and IP core providers
- Business model similar to ASIC
- Standard IP core made available for an OCP Spec
- Option to customize for Operator requirements
- Spec under development for Programmable PON (10G and 25G)
Programmable PON OLT

Design OLT spec for XGSPON; hardware capable of 25G PON upgrade in future

OLT port density of 24 for 1RU

What is desired from Operators?
- 19” 1 RU OLT design
- Open Sled design for CG-OpenRack-19
Open Item

The current spec draft uses the LGX form factor for the Splitter Modules – Is there an alternative Splitter Module form factor for outside plant?
G.fast Specification

- 16 port DPU-Broadcom Spec
- 16 port DPU-Sckipio Spec
16 port DPU-Broadcom Spec

- Coax and twisted pair
- Reverse power feed
- Uplink- 1G, 2.5G, 10G Ethernet or GPON/XGSPON
16 port DPU-Sckipio Spec

- Coax and twisted pair
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Call to Action

Collaboration/feedback to define detailed spec for Programmable PON OLT, FDH

Review of Spec - 16 port DPU-Sckipio v2.0, 16 port DPU-Broadcom v2.0