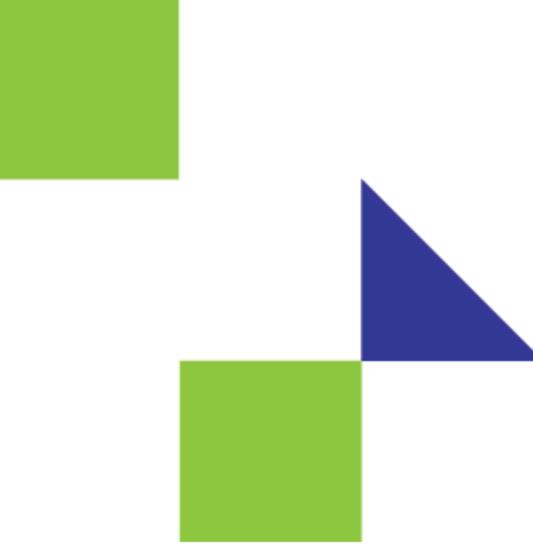




# OCP SUMMIT

March 20-21  
2018  
San Jose, CA

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# Open Access

Sumithra Bhojan

Principal Member of Tech Staff

AT&T

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# Open Access Architecture

Open Source Access Manager (OSAM)

Vendor agnostic operation interface for managing consumer broadband devices and services

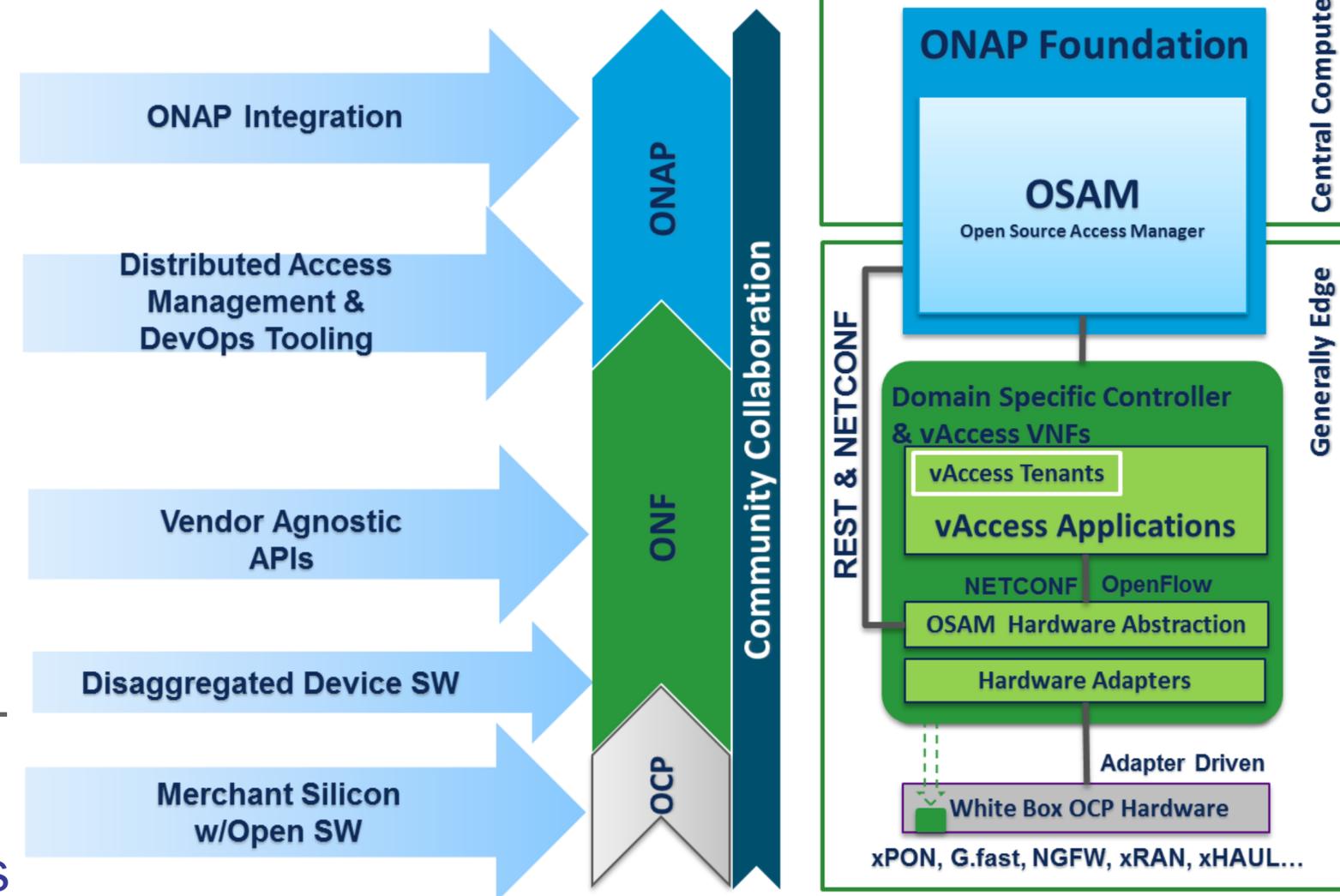
Integrated to the ONAP framework

Domain Specific Controller (DSC)

Disaggregation of control and management plane

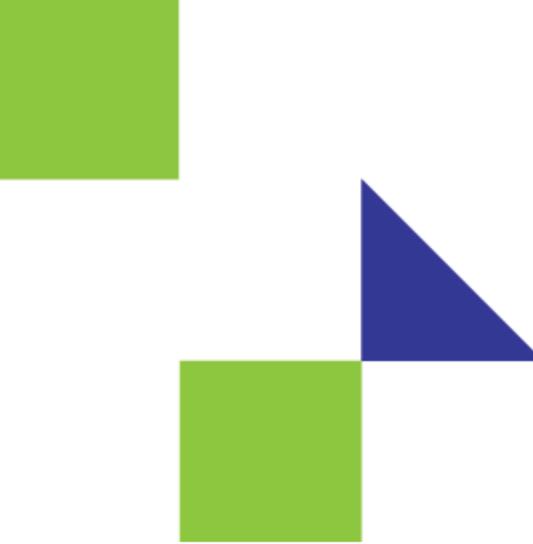
Hardware abstraction (VOLTHA/OSAM-HA)

Abstract and harmonize hardware interfaces and data



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# xPON Specification

- 24 Port Programmable PON OLT
- Open Fiber Distribution Hub

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# 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)

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# 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?

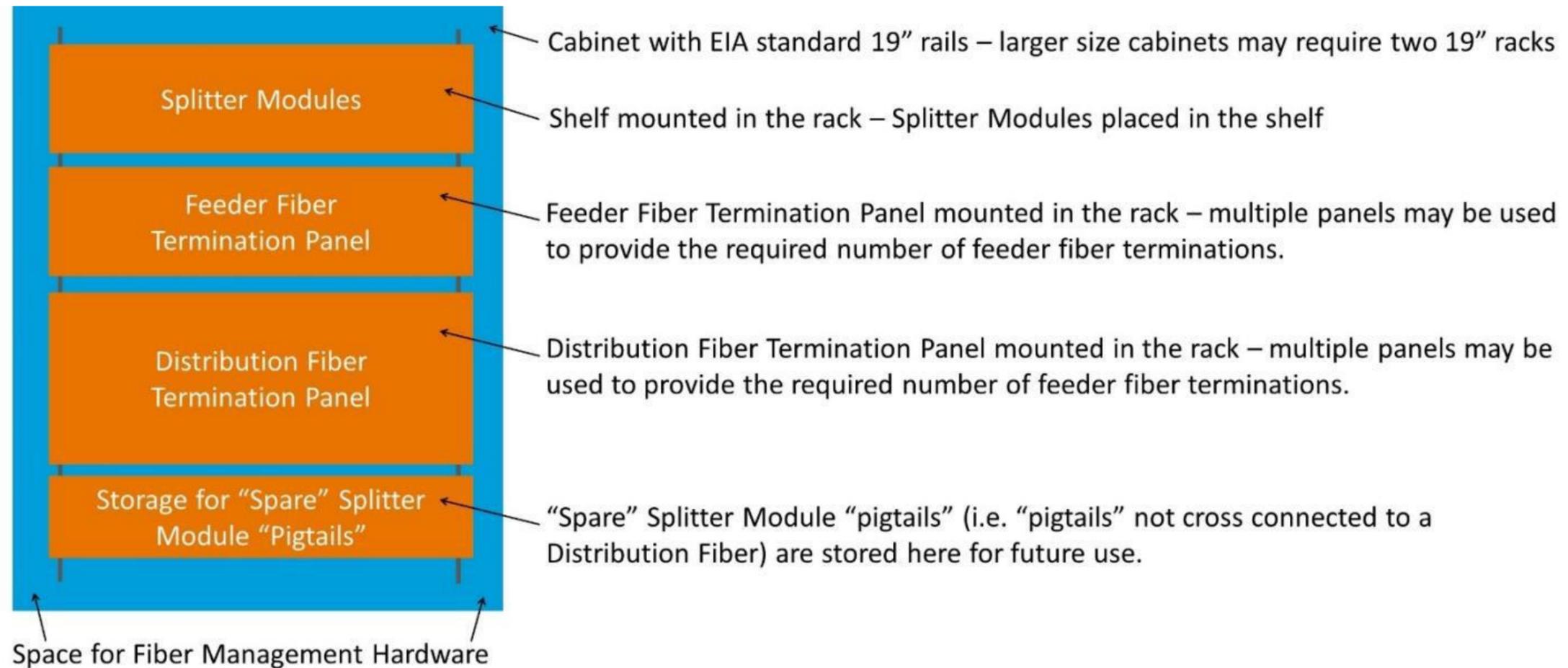
- 19" 1 RU OLT design
- Open Sled design for CG-OpenRack-19



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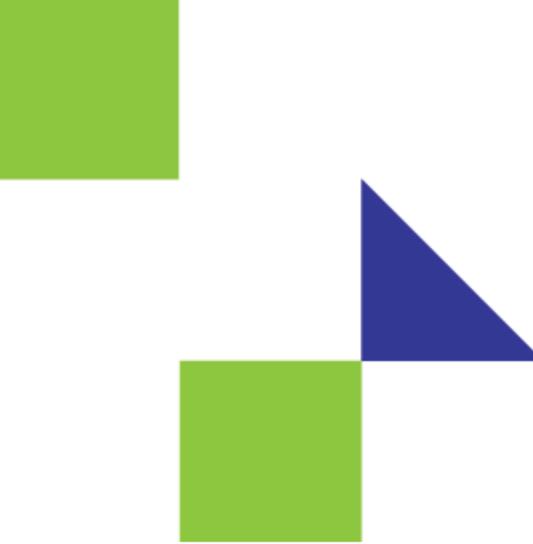
# Open Fiber Distribution Hub



## 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?

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# G.fast Specification

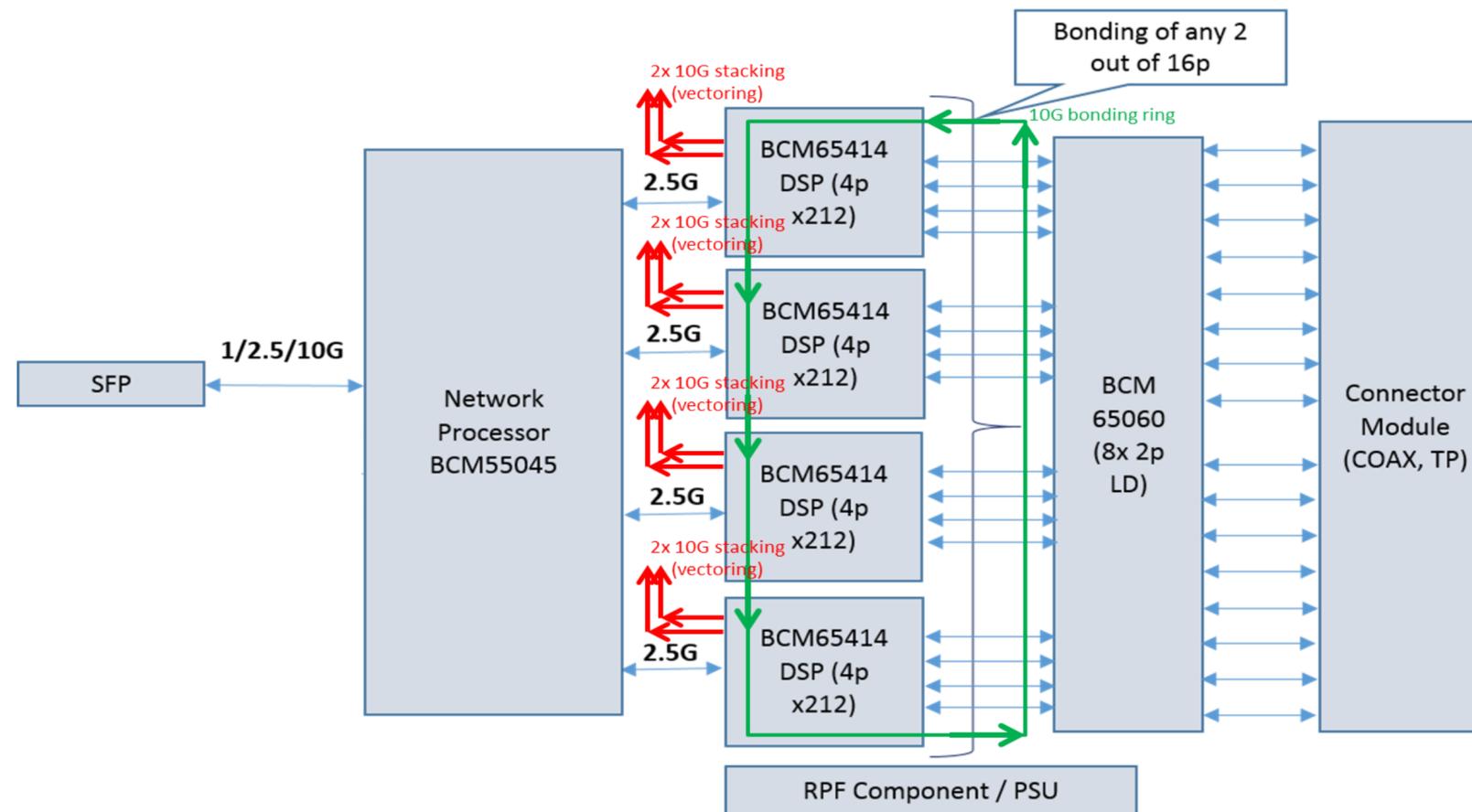
- 16 port DPU-Broadcom Spec
- 16 port DPU-Sckipio Spec

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# 16 port DPU-Broadcom Spec

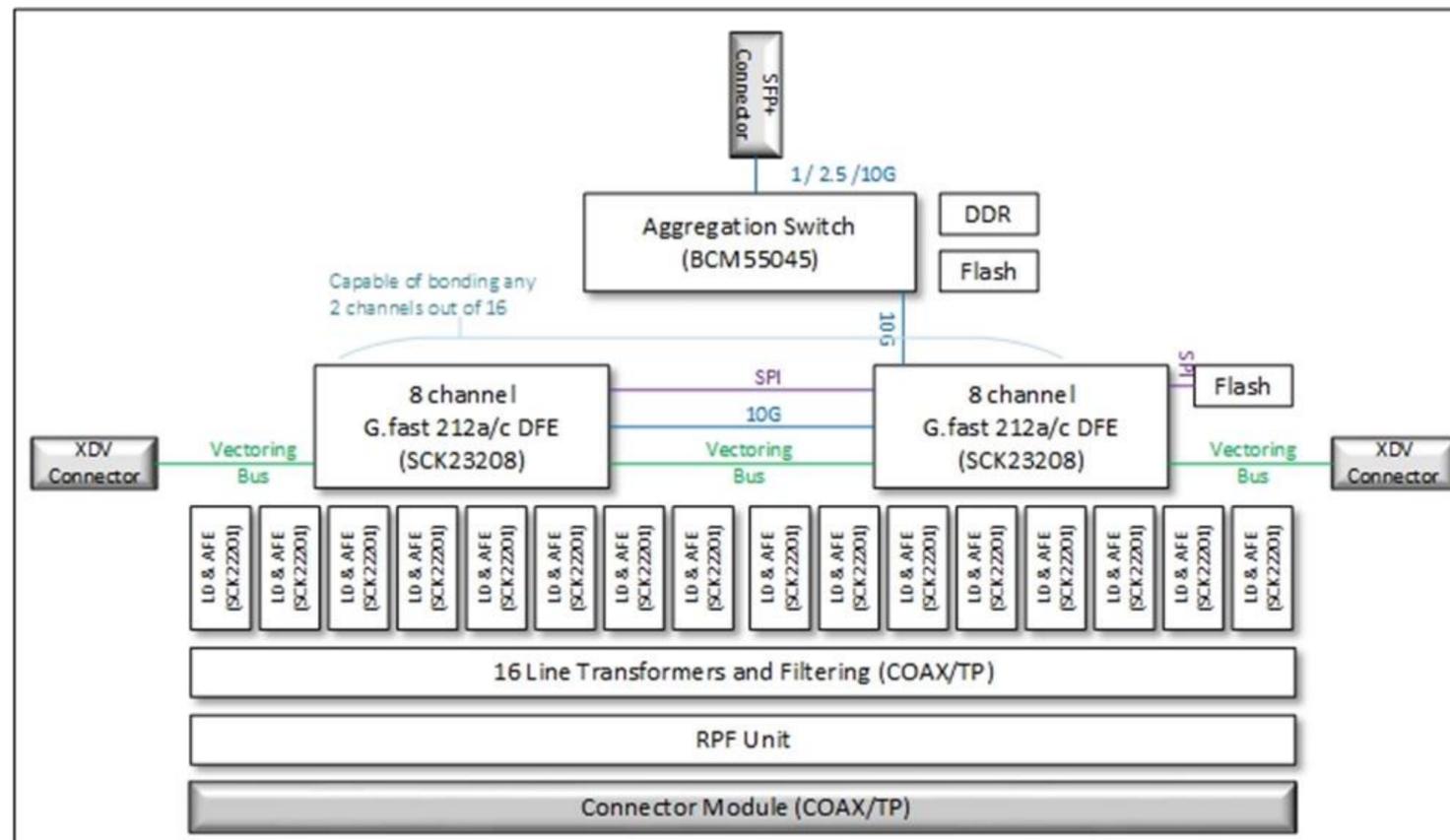
- Coax and twisted pair
- Reverse power feed
- Uplink- 1G, 2.5G, 10G Ethernet or GPON/XGSPON



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# 16 port DPU-Sckipio Spec

- Coax and twisted pair
- Reverse power feed
- Uplink- 1G, 2.5G, 10G Ethernet or GPON/XGSPON



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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

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