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AT&T Spec Update

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What’s new?

AT&T Open Programmable PON OLT Specification:
1. Broaden Silicon option for OLT application
2. Fronthaul transport
Current Specification

32 Ports XGSPON (10G) and future support of 25G PON using SFP28
Uplinks: (8) 40G/100G QSPF28
No Local Aggregation Switch
Redundant and field replaceable high efficiency PSU, Fans
BMC and Optional CPU
Two hardware variants
  - 1RU for 19” rack deployments
  - 2RU Half width Sled for CG19 Open rack deployment
System Block Diagram - FPGA Option
ASIC Option for XGSPON/25G PON

Note: BCM66850 A0 version supports 2 ports 25G PON; BCM66850 B0 expected to support 8 ports 25G PON
Future Application

25G PON – Standards work in progress
Possible Front haul support when CO-DBA in place and meets latency requirements
Call to Action

Collaboration/feedback to support ASIC option and 25GPON ODM Participation

Current Spec is available in Telco wiki for review

https://www.opencompute.org/wiki/Telcos

Questions/Feedback- email me at sumithra.bhojan@att.com