



OPEN
Compute Project



OCP U.S. SUMMIT 2017

Santa Clara, CA



Open Networking Advancing, Expanding, and Deploying

Jeff Catlin Vice President of Technology
Edgecore Networks.

OPEN HARDWARE.

OPEN SOFTWARE.

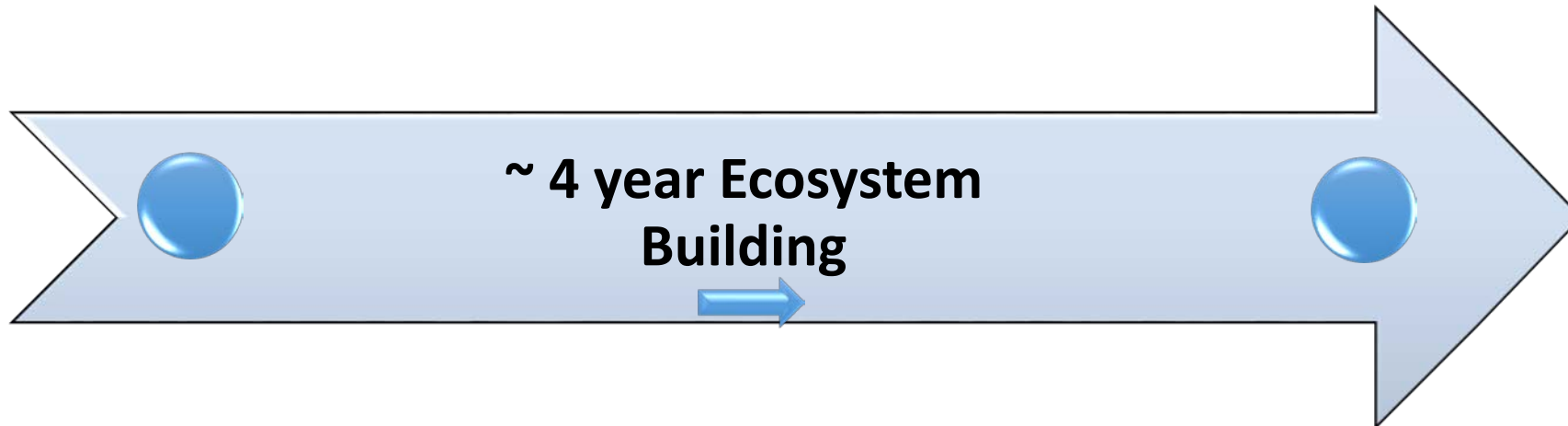
OPEN FUTURE.



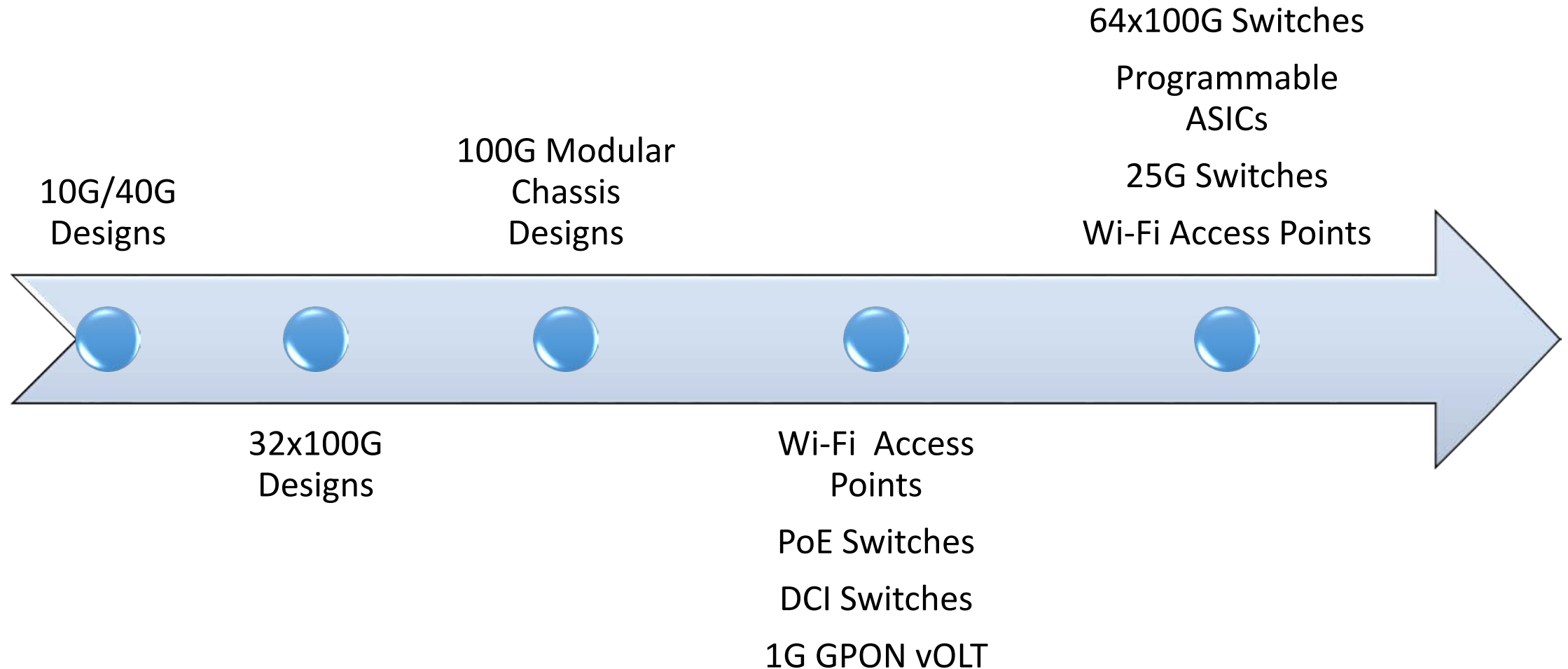
Open Networking Advancement

May 2013
First OCP
Networking
Meeting

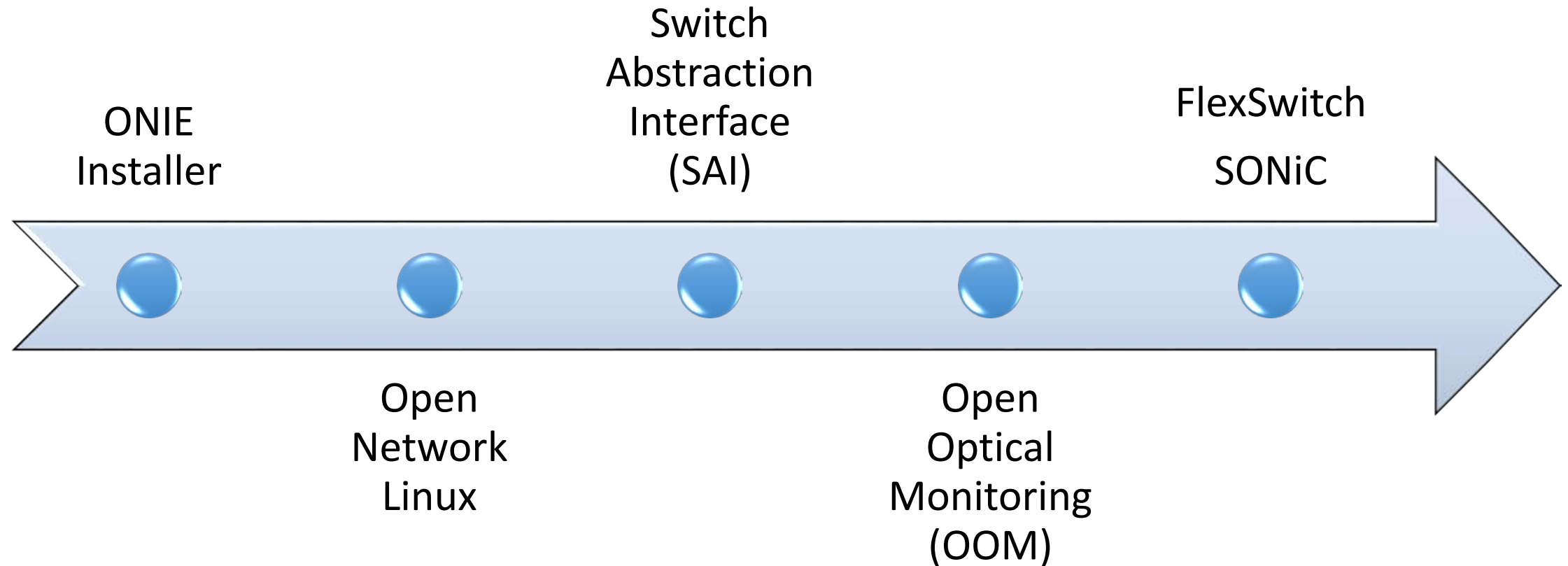
March
2017 OCP
Summit



Open Networking HW Advancement



Open Networking SW Advancement



HW Design Contributors



SW Ecosystem



ONL

FlexSwitch

SONiC

ONIE

SAI

OOM



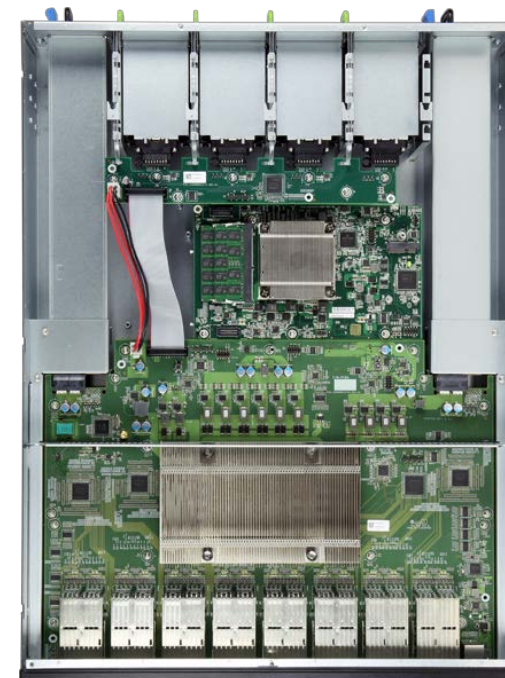
CUMULUS

ipinfusion™

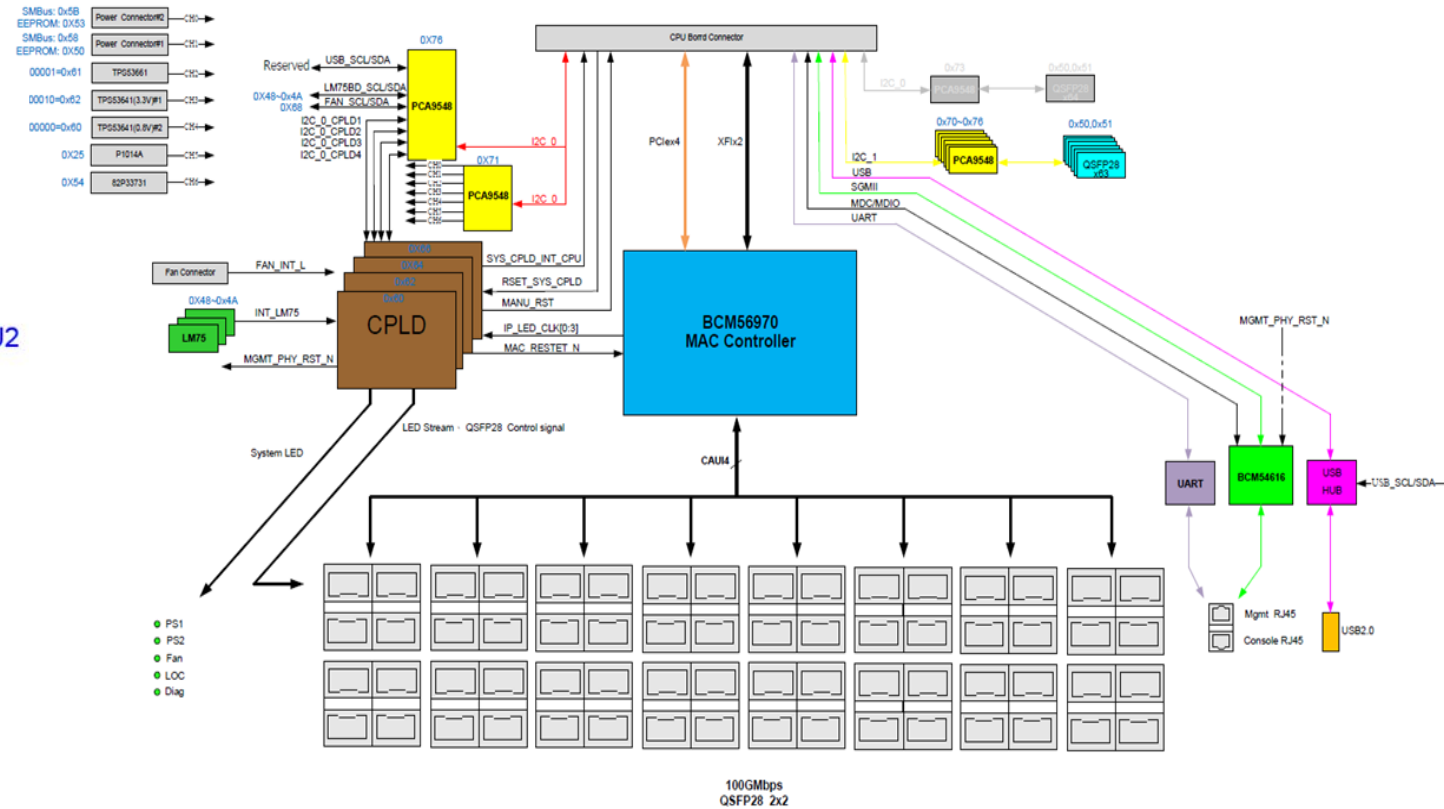
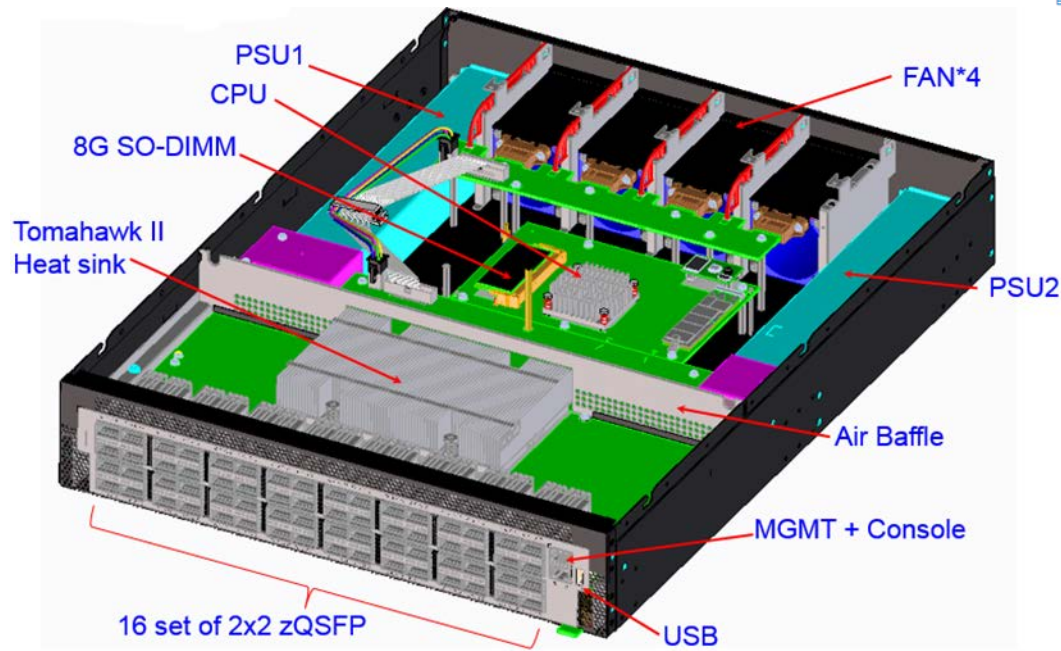


Edgecore Contribution AS7800-64X

- 64 x 100G QSFP28 Switch
 - Based upon Broadcom Tomahawk 2 silicon
- Single PCB board design for all 64 ports
- PHY-Less design provides reduced cost and latency
- X86 CPU options
- Optional BMC Module

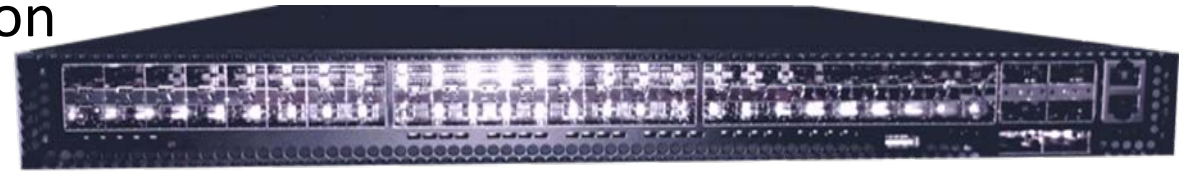


Edgecore Contribution AS7800-64X

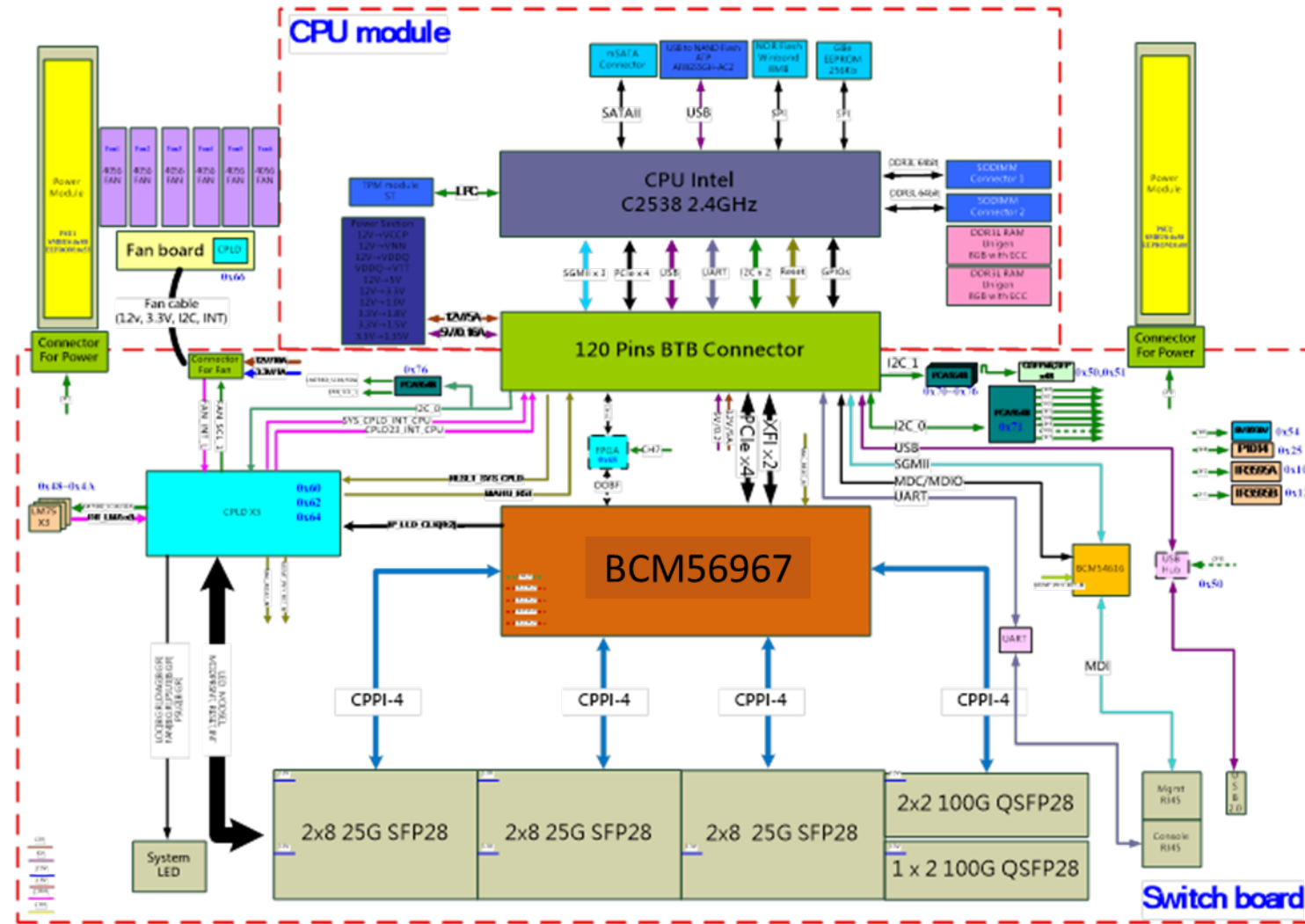


Edgecore Contribution AS7300-32X

- 48 x 25G + 6 x QSFP28 Top of Rack Switch
 - Based upon Broadcom Tomahawk silicon
- PHY-Less design provides reduced cost and latency
- X86 CPU options
- Optional BMC Module



Edgecore Contribution AS7300-32X



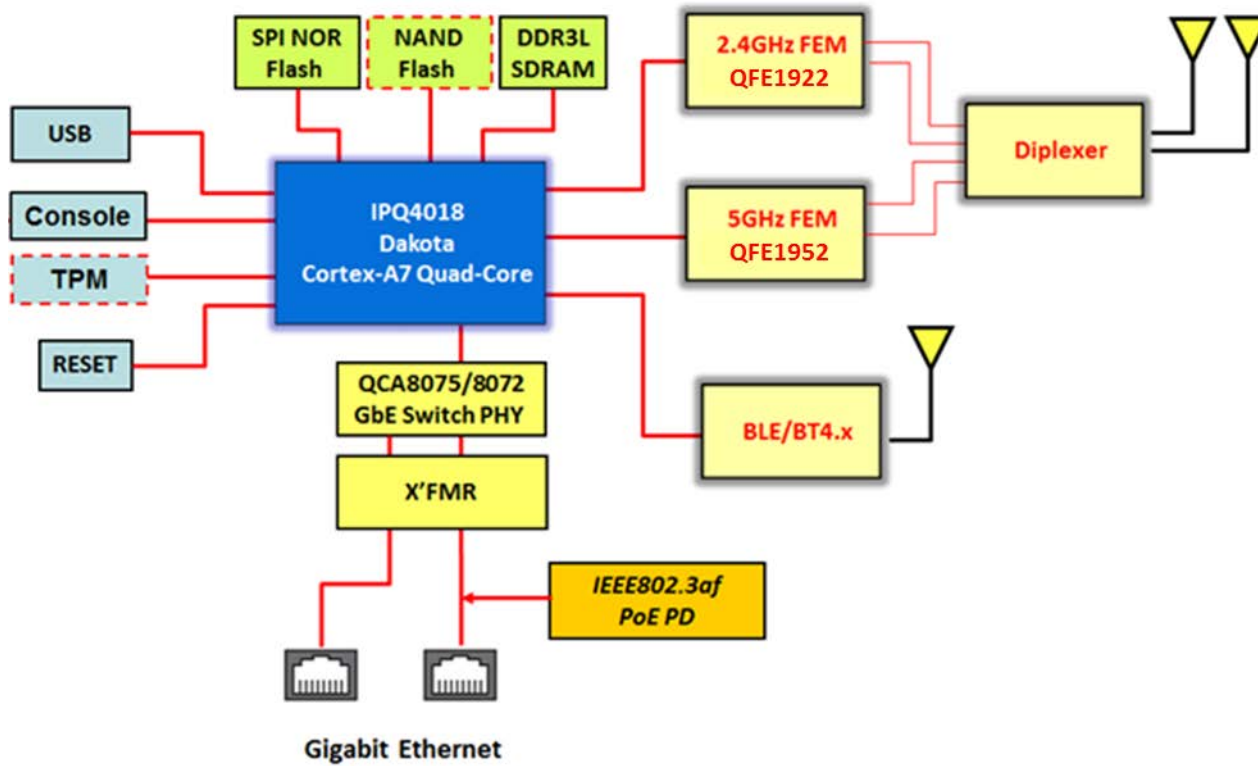
Edgecore Contributions Wi-Fi

- Wave 2 Qualcomm QCA based designs
 - 4x4 Enterprise grade Access Point
 - 2x2 Cost effective Access Point

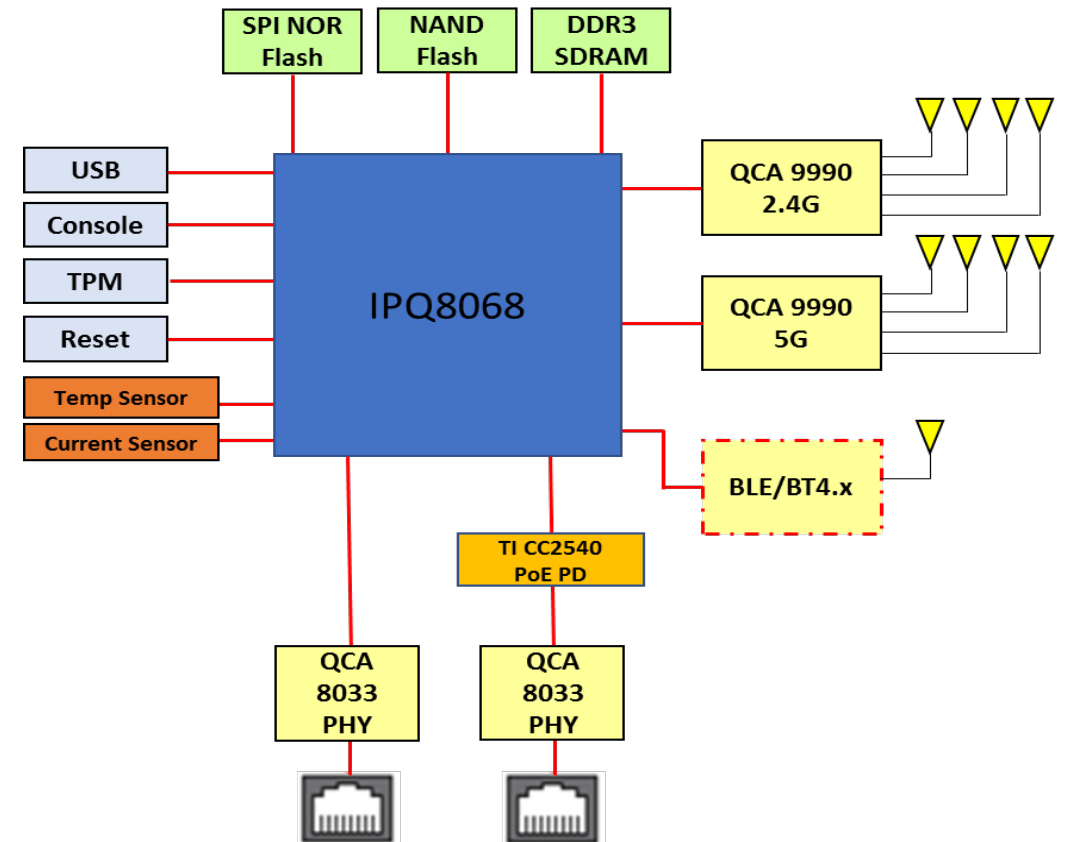


Edgecore Contributions Wi-Fi

ECW5211 2x2



ECW5410 4x4

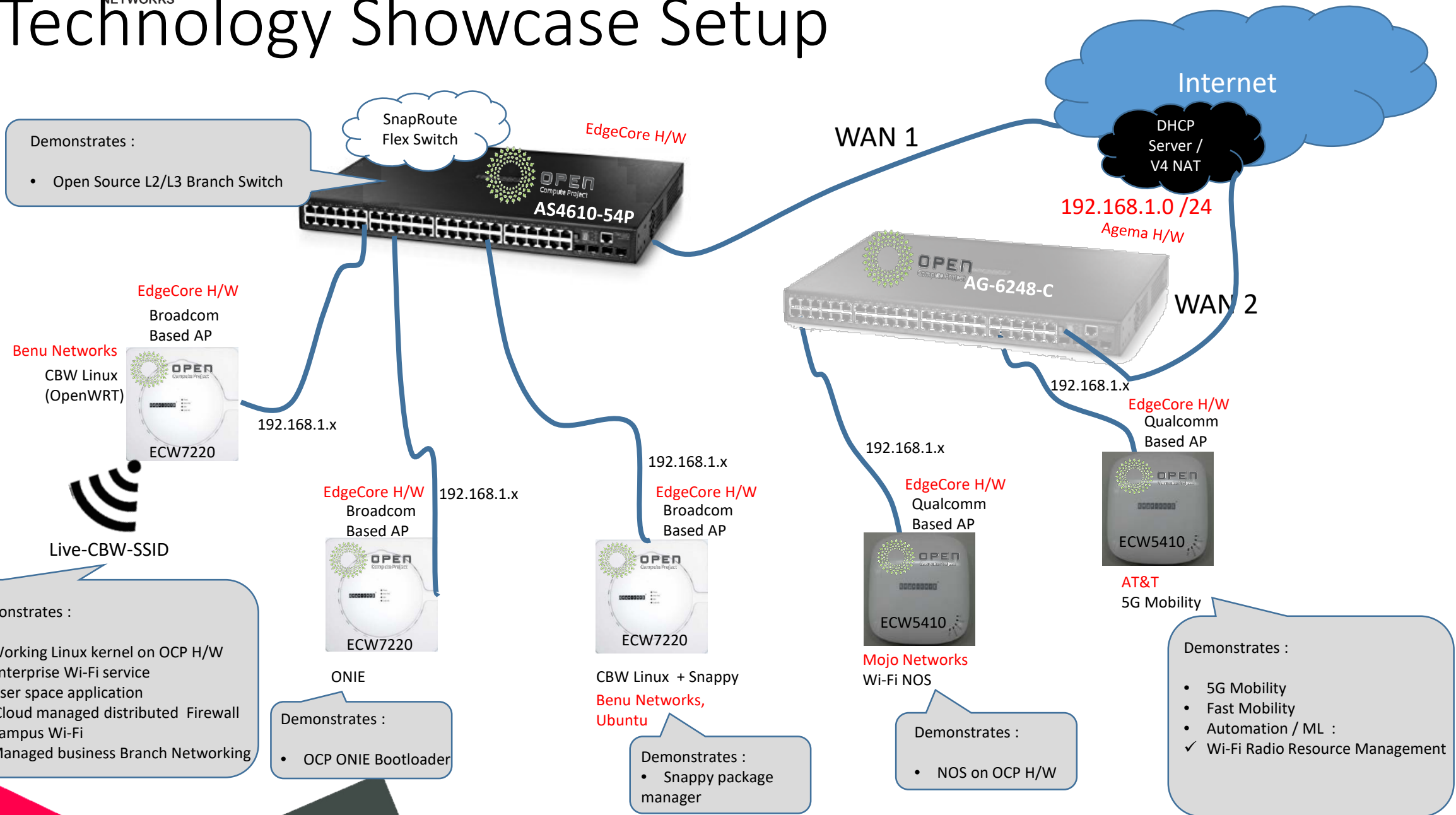


CBW Technology Showcase Participants

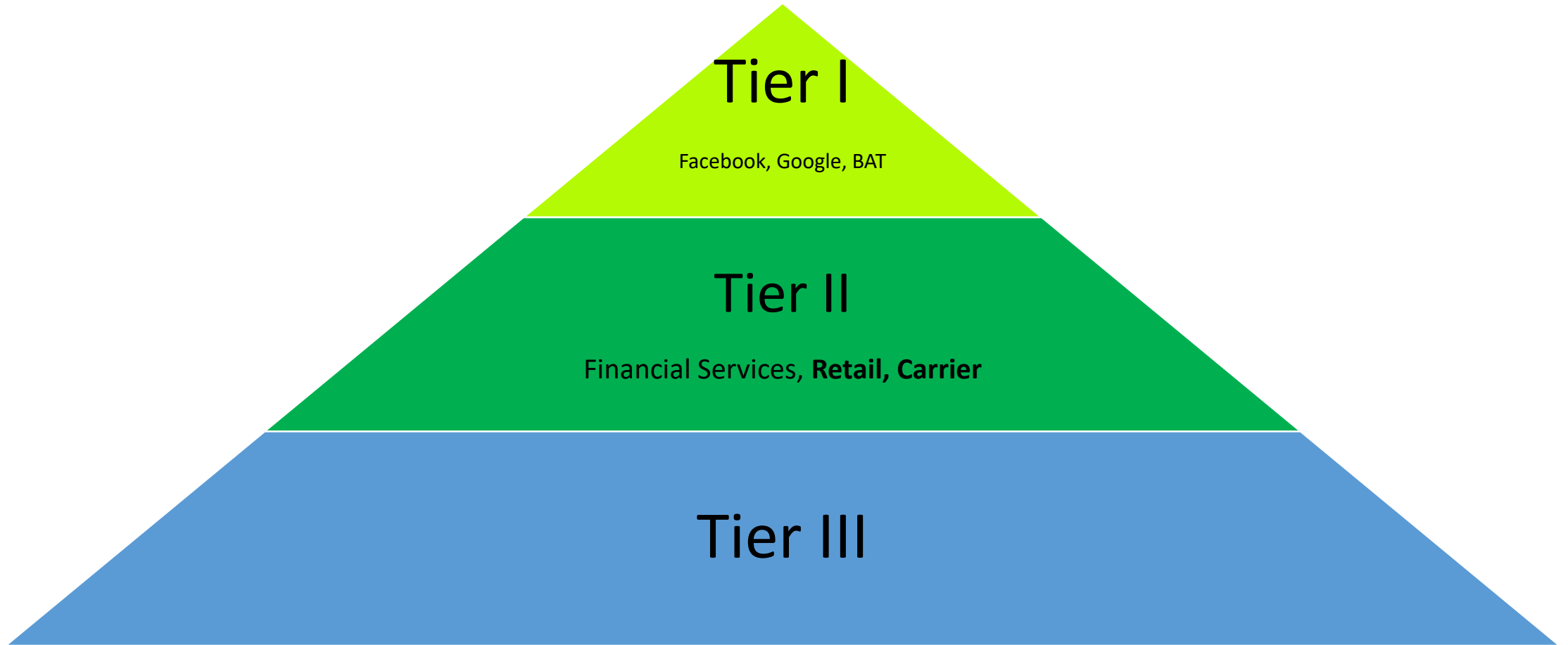
- Edgecore Networks
- Agema
- SnapRoute
- AT&T
- Benu Networks
- Ubuntu/Canonical
- Mojo Networks



Technology Showcase Setup

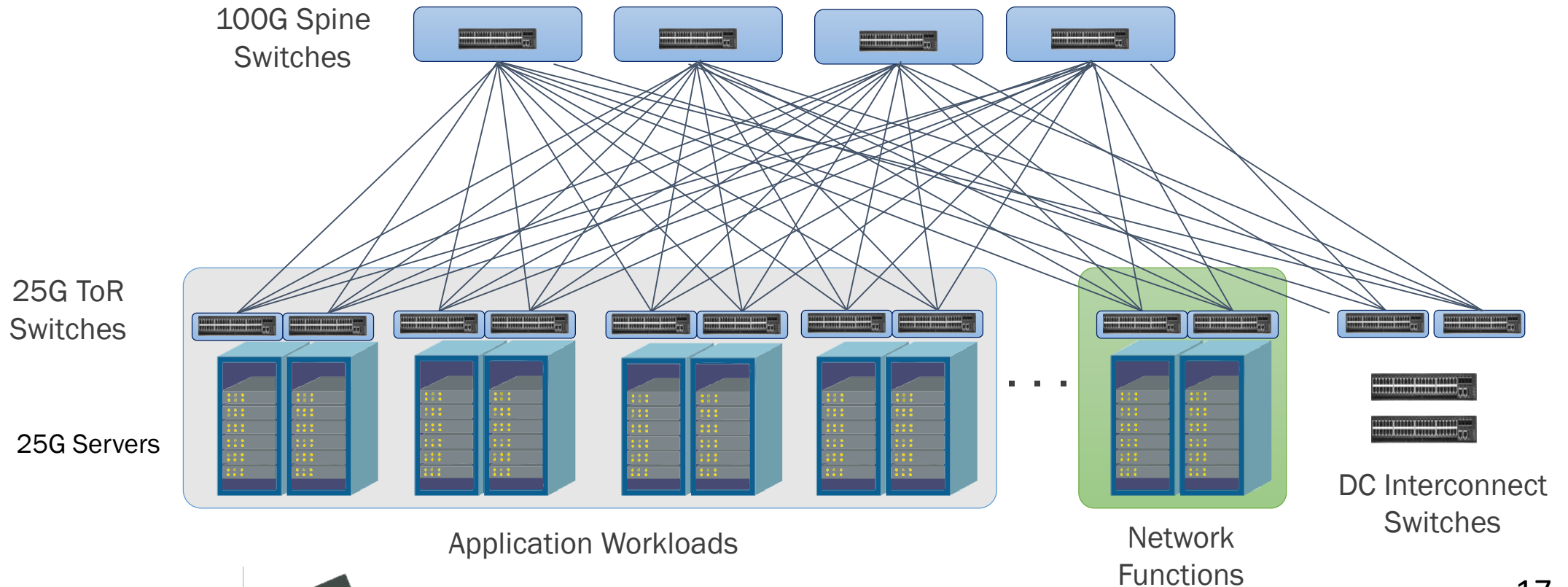


Open Network Deployments

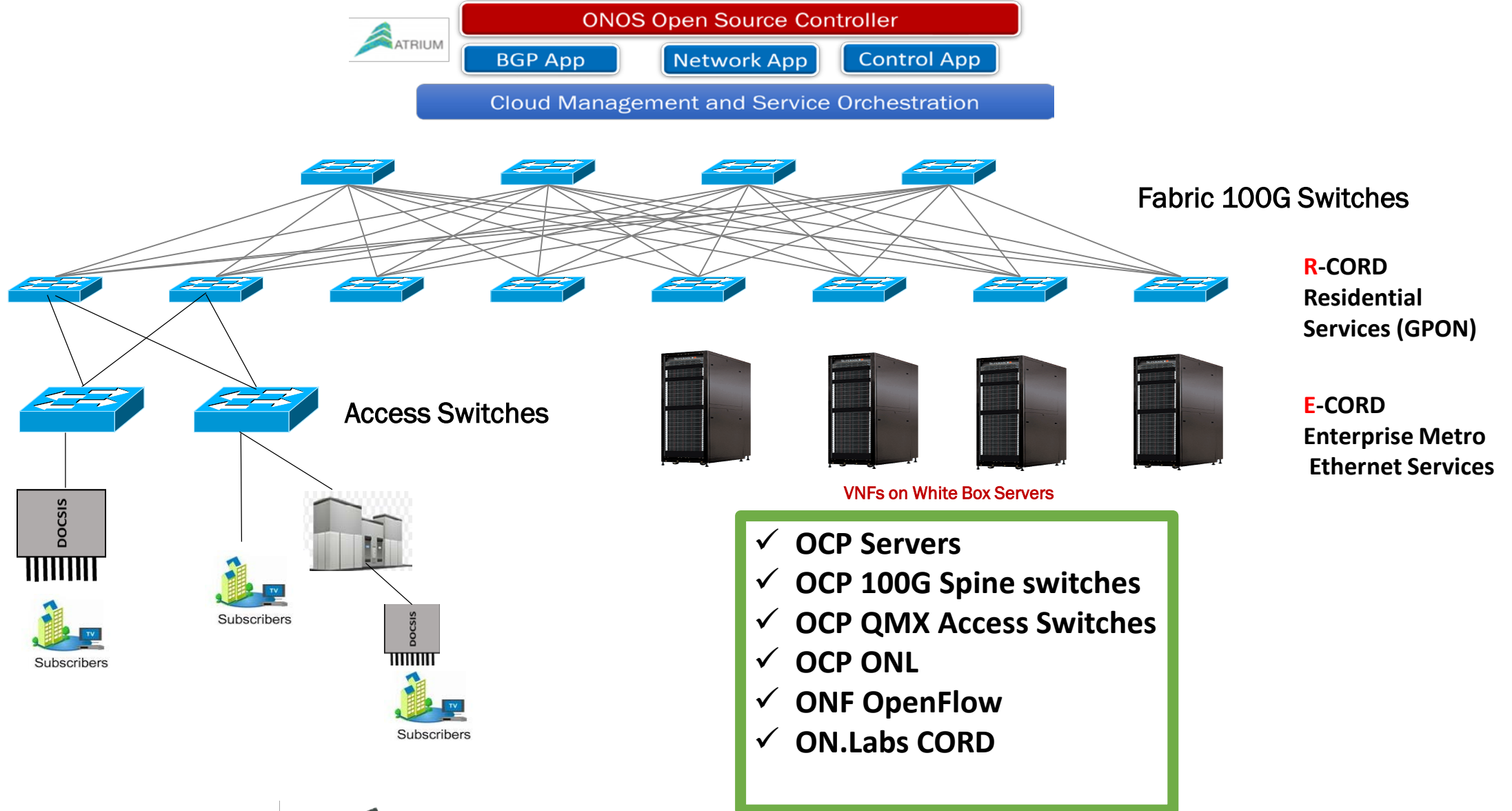


Retail Deployment

- ✓ OCP 100G Spine switches
- ✓ OCP 25G ToR Switches
- ✓ OCP QMX DCI Switches
- ✓ OCP ONL
- ✓ OCP FlexSwitch



Carrier Deployment



Open Networking Future...



OPEN
Compute Project

- 400Gb Ethernet
- Programmability
- Optical Networking



TELECOM INFRA PROJECT

- Cellular / Wi-Fi
- Backhaul
- Optical Networking



OPEN NETWORKING
FOUNDATION

- CORD
- Carrier / MEF





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