

Telco Workshop, Oct 29, 2018

The Gateway to New Paradigm

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Agenda

- Introduction
- Ufi Space Cell Site Gateway Router
- Ufi Space Universal CPE
- Q&A

Our Company

- **Vision:** Open Networking Platform & End-To-End Solutions
- **Markets Served:** Telco & Hyperscale
- **Business Model:** IDM/ White Box
- **Products:** Switch/ Server/ uCPE/ Router/ Broadband/ Wireless/ CPE
- **Profile:**
 - Founded in 2012
 - HQ in Taipei, Taiwan
 - RD Design and Sales & Marketing focused
 - Partnered w/ top tier EMS for engineering support & manufacturing operation
 - Joined OCP community in 2018

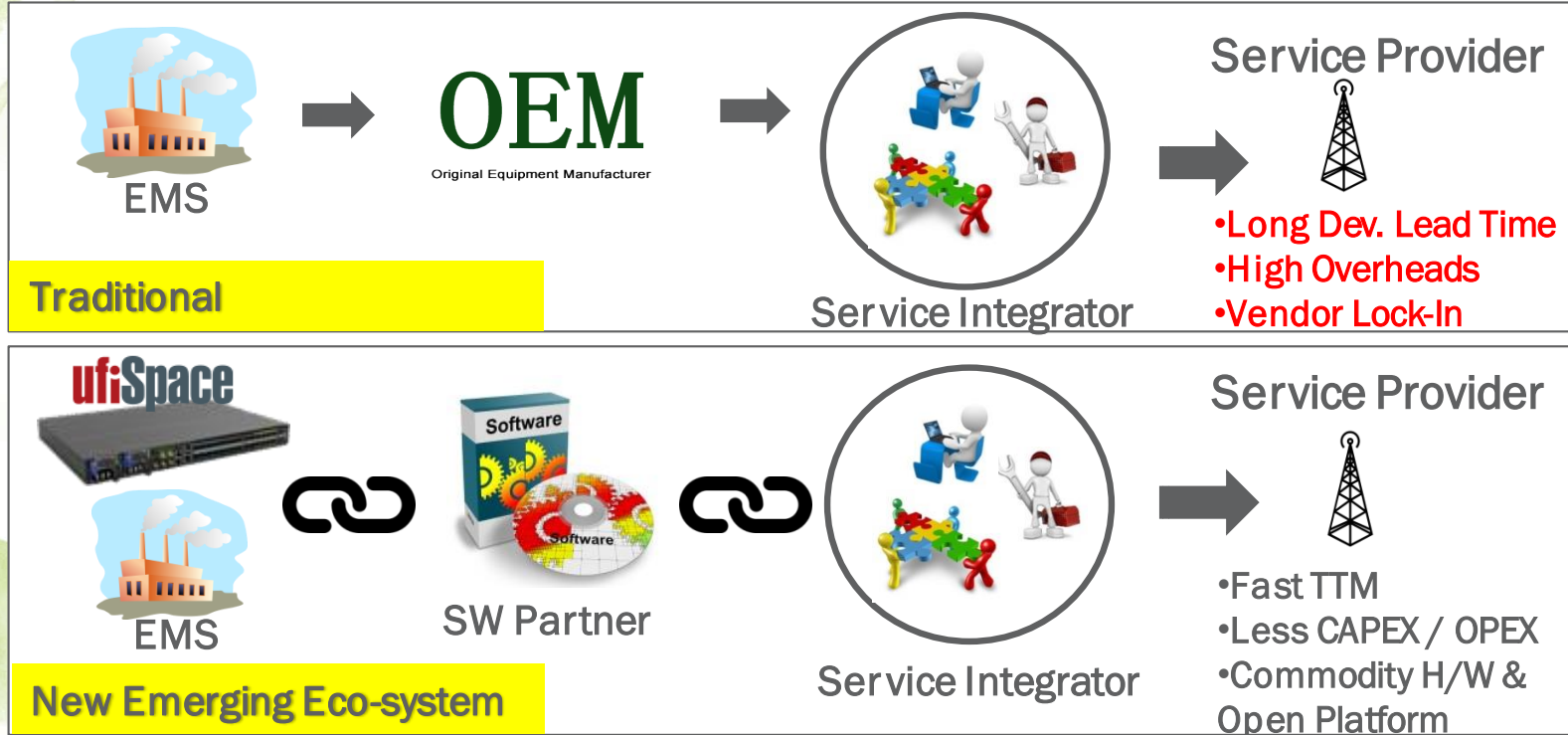


Our Value

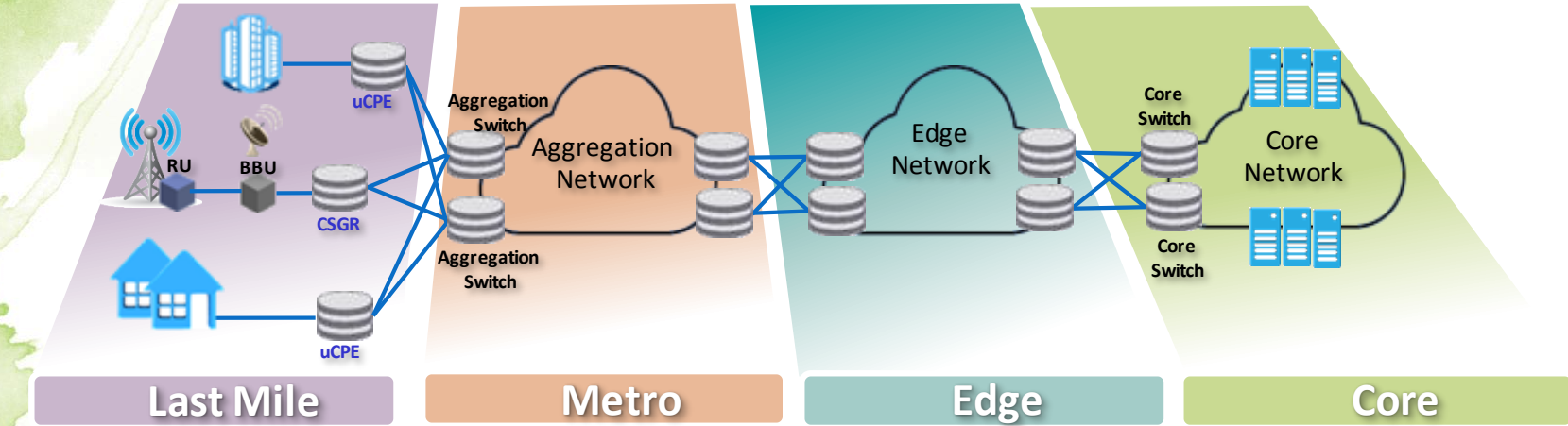
- To facilitate the open and disaggregation of software and hardware for open community through state of the art network designs
- To focus on providing end-to-end solutions for
 - Telco/ISPs
 - Hyper-scale Data Centers



Disaggregated Network Value Chain



Next Generation Open Network Platforms



CSGR



uCPE



Aggregation Switch



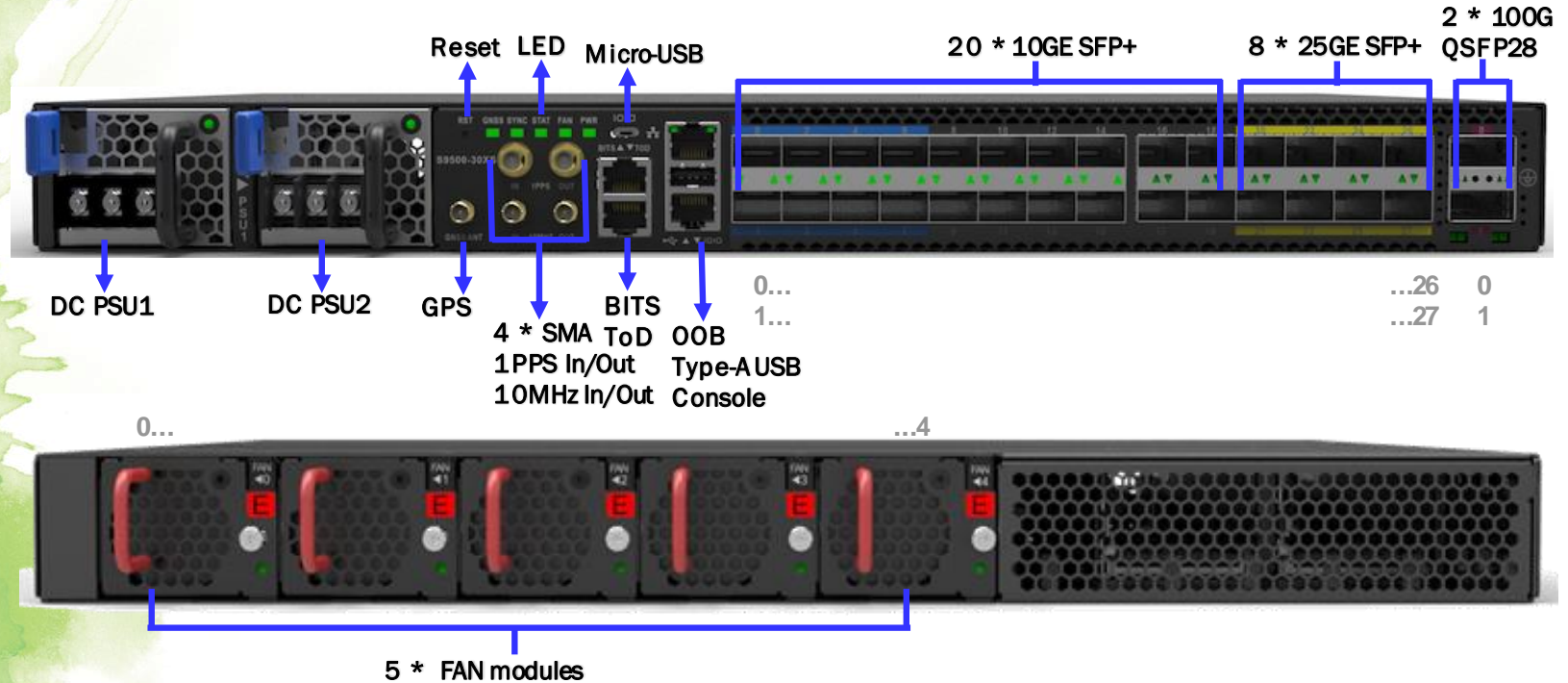
Edge/Core Switch

S9500-30XS Cell Site Gateway Router

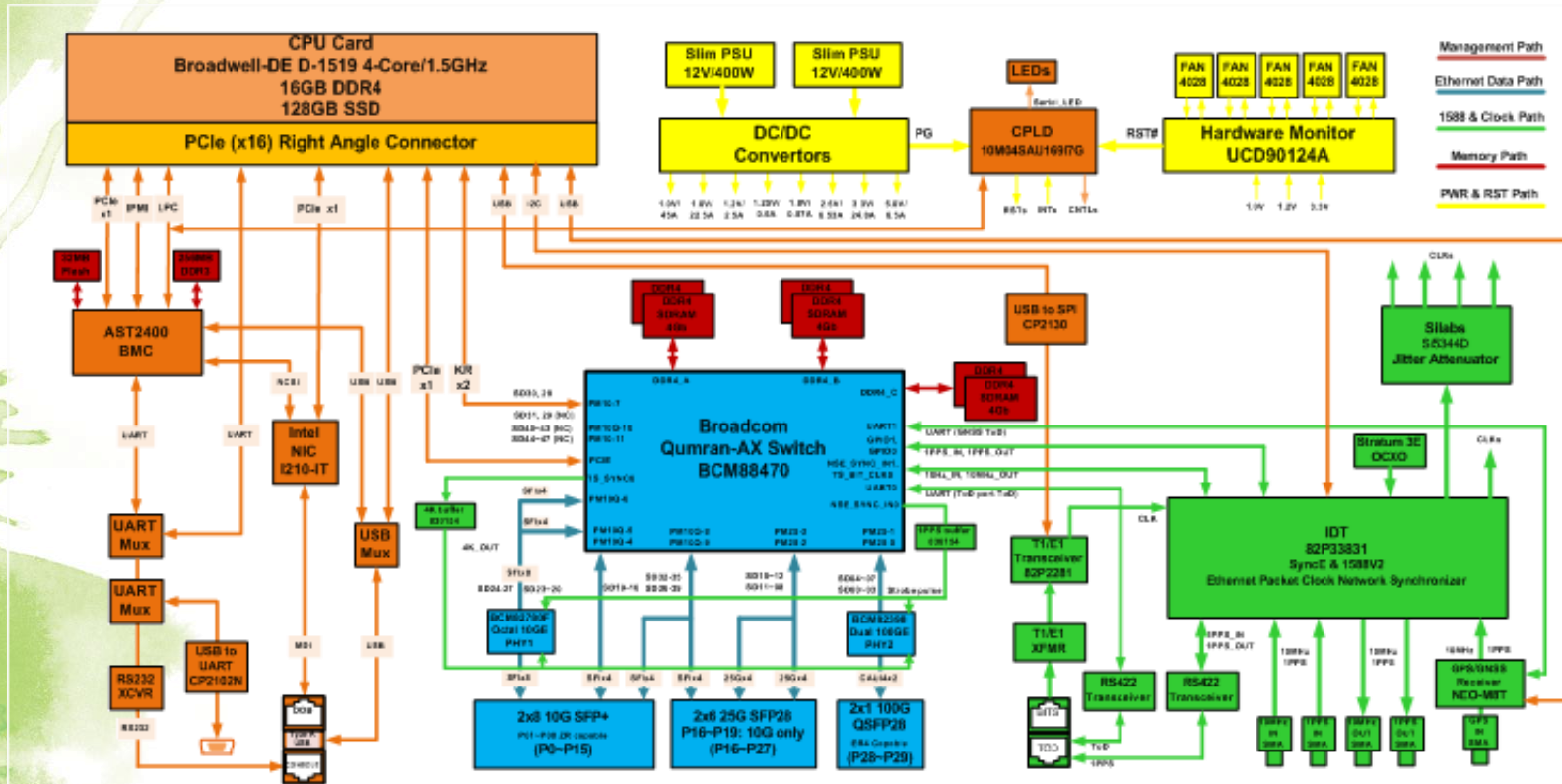
- Compliant with the AT&T Cell Site Gateway Router Specification
- TP-76200 & TP-76450 compliance for Level 3 OSP/CELL-SITE Class 2
- 2 x 100G QSFP28, 8 x 25G SFP28, 20 x 10G SFP+
- Mobility Backhaul Deployment
 - Operating temp range (-40C to +65C)
 - 1588v2 and Synchronous Ethernet
 - MACsec security
 - 1RU, 300mm depth, 350W max power
- -48VDC and AC Power Supply Options
- Broadcom Qumran-AX Silicon with Deep Buffer



S9500-30XS Cell Site Gateway Router



S9500-30XS CSGR Block Diagram



S9500-30XS CSGR Schedules

- **Product Schedule**

- Sample availability: Now
- 4G/5G Cell Site Field Test & NEBS Level 3 Test to be completed by Mar'19
- GA : Mar'19

- **Contribution Schedule**

- Specification : Mar'19
- Design Package : Mar'19

CSGR Outside Plant Environment



TP-76200 & TP-76450 compliance for Level 3 OSP/CELL-SITE Class 2

Source: AT&T

UCAD-0263 Universal CPE

- **SD-WAN Solutions**
 - Desktop Version
 - SR-IOV (Single-root input/output virtualization)
 - Intel ATOM C3000 Series (Denverton-NS, 4C/8C)
 - Intel QAT QuickAssist Technology Crypto Acceleration
 - DDR4 2400 MHz RDIMM (2 Slots, Max. 32GB)
 - 2x 10GE SFP+ Ports (SR-IOV Support)
 - 6x GE RJ45 Ports (2 Pairs Bypass, 2 POE+ 802.3at)
 - 1x mPCIe Socket Support (Wi-Fi)
 - 1x M.2 Socket Support (LTE, SIM)



UCAR-3080 Universal CPE

- **SD-WAN Solutions**
 - Rackmount Version
 - SR-IOV (Single-root input/output virtualization)
 - Xeon D-2100 Series (Skylake-D, Max. 16C)
 - Intel QAT QuickAssist Technology Crypto Acceleration
 - DDR4 2666 MHz RDIMM (4 Slots, Max. 128GB)
 - 2x 10GE SFP+ Ports (SR-IOV Support)
 - 6x GE RJ45 Ports (SR-IOV Support)



Design Roadmap

- **Core Network 400G Solutions**
 - 40 x 100G QSFP28 and 13 x 400G QSFP-DD
 - Disaggregation Architecture Design
 - Scalable Deployment to Fit Any Network Size
- **Aggregation Network Solutions**
 - 48 x 10G SFP+ and 6 x 100G QSFP28
 - 2 x 10G SFP+ optional design to CPU or Front I/O
 - Deep Buffer Switch



Aggregation Switch

THANK YOU