

Barefoot Networks Wedge 100B Series

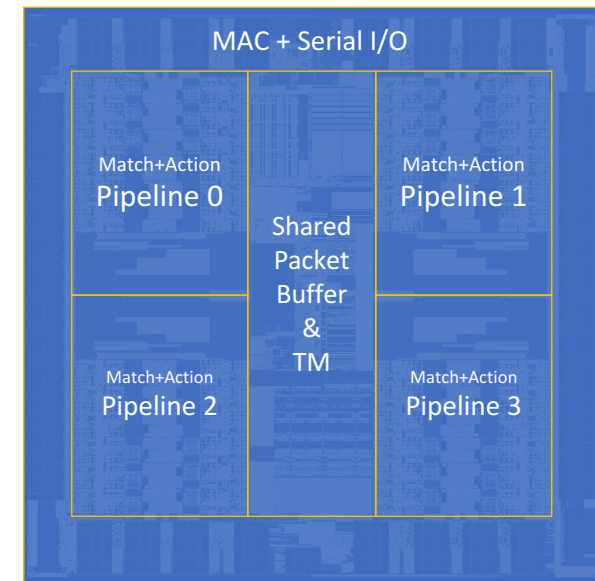
OCP Networking Project Call

February 13, 2017



Barefoot Tofino™

- 6.5 Tb/s P4-programmable Ethernet Switch
- Port Configurations
 - 65x100GE/40GE
 - 130x50GE
 - 260x10/25GE
- Open Forwarding Plane Program
 - switch.p4
- CPU Interface
 - PCIe Gen3 x4



Tofino and P4™

Performance:

At 6.5Tb/s Tofino is the fastest switch chip in the world.

Cost:

Price and Power - same as fixed-function chips.

Programmability:

Easy to program using P4 programming language.

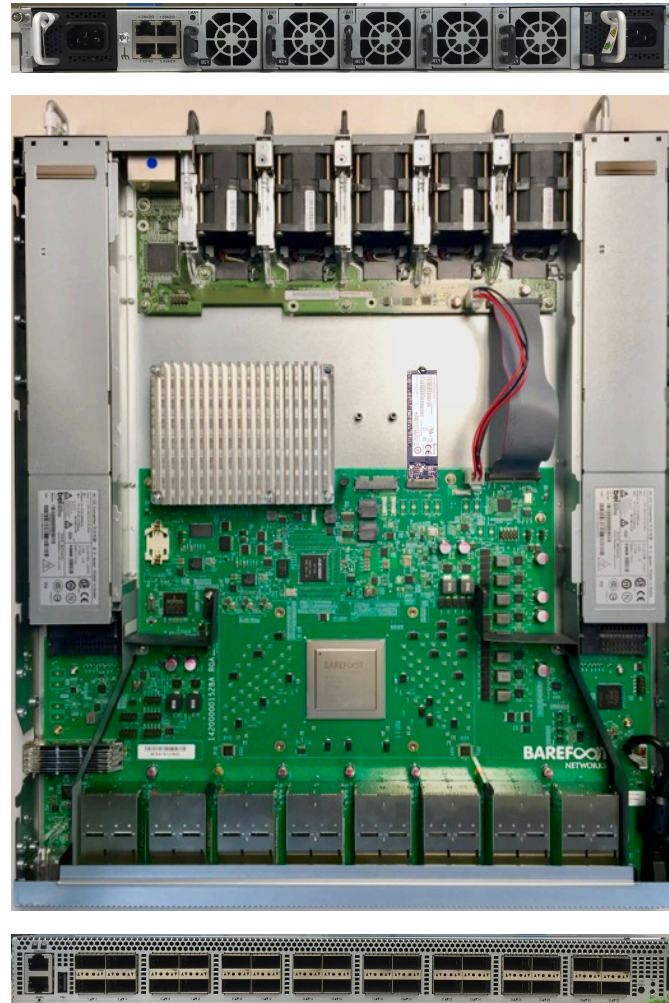


Wedge 100B Series

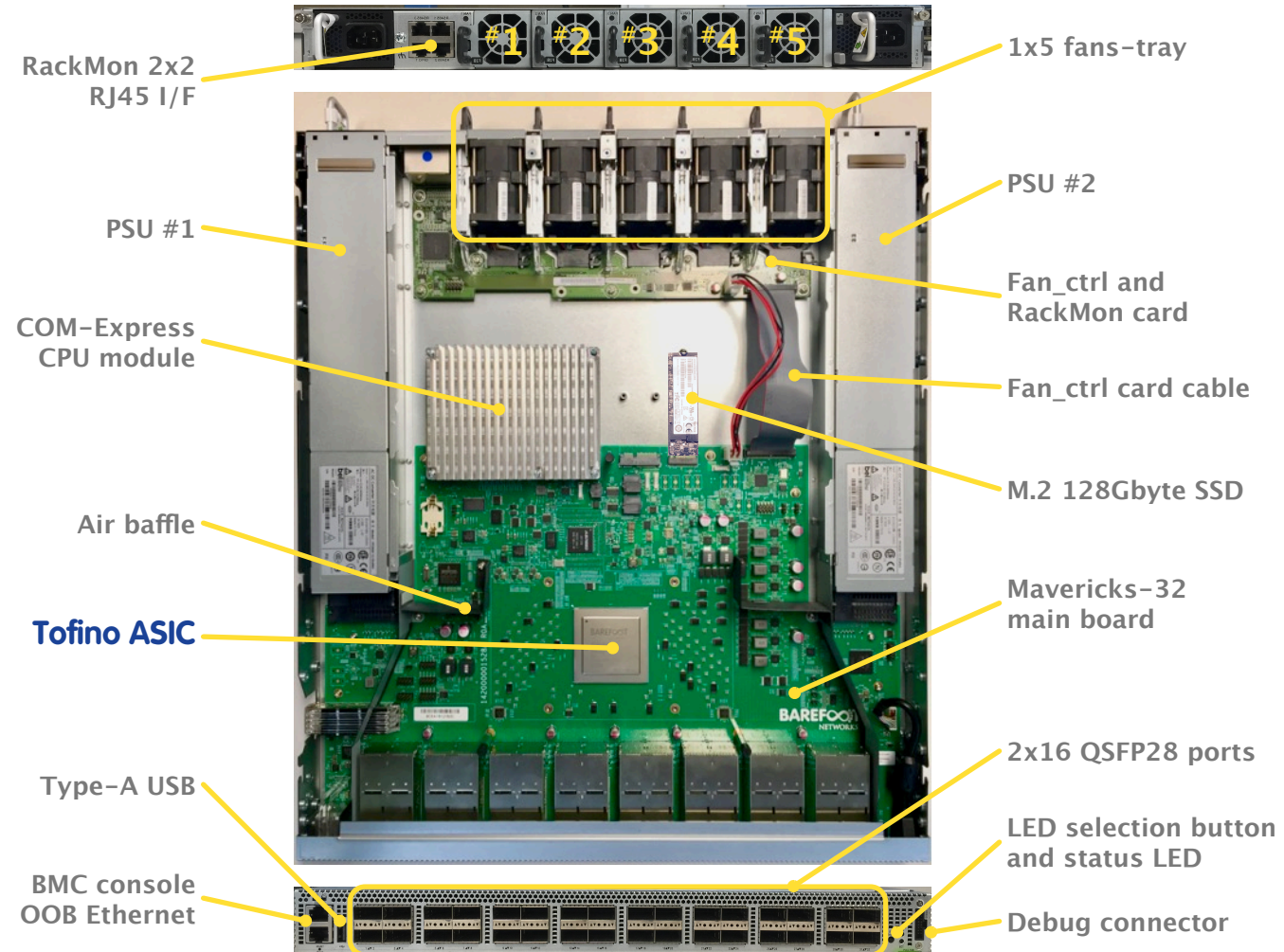
- Two platforms – 1RU 32x100GE & 2RU 65x100GE
- Derived from Wedge 100
- Includes several cost and quality enhancements
- User-programmable forwarding plane using P4



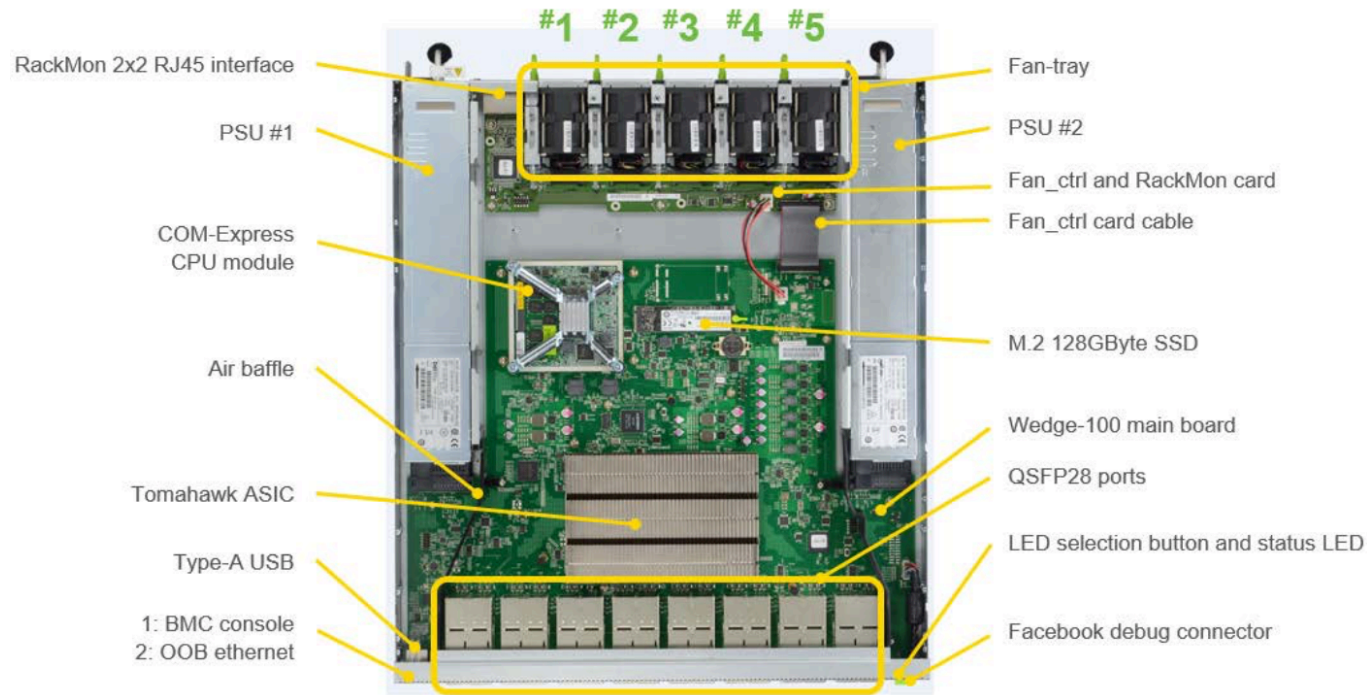
Wedge 100BF-32X



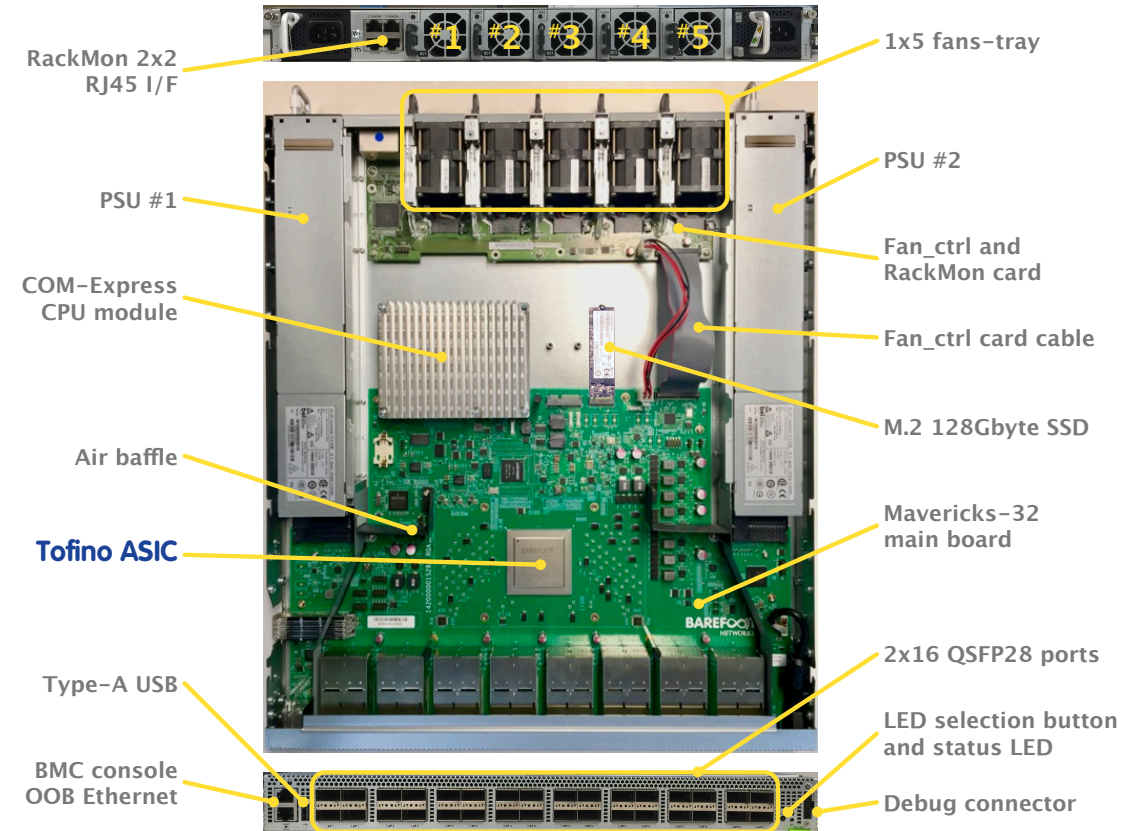
Wedge 100BF-32X



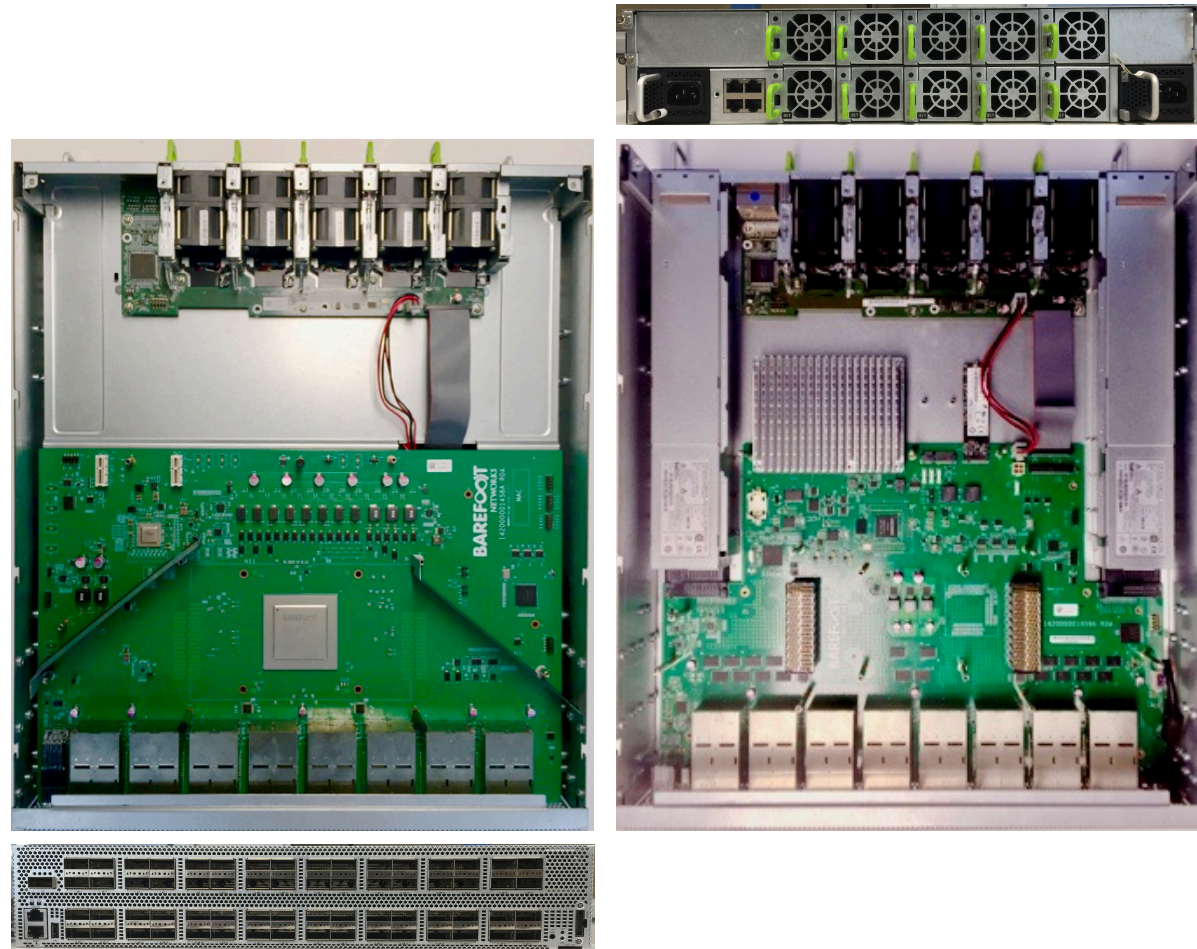
Wedge 100



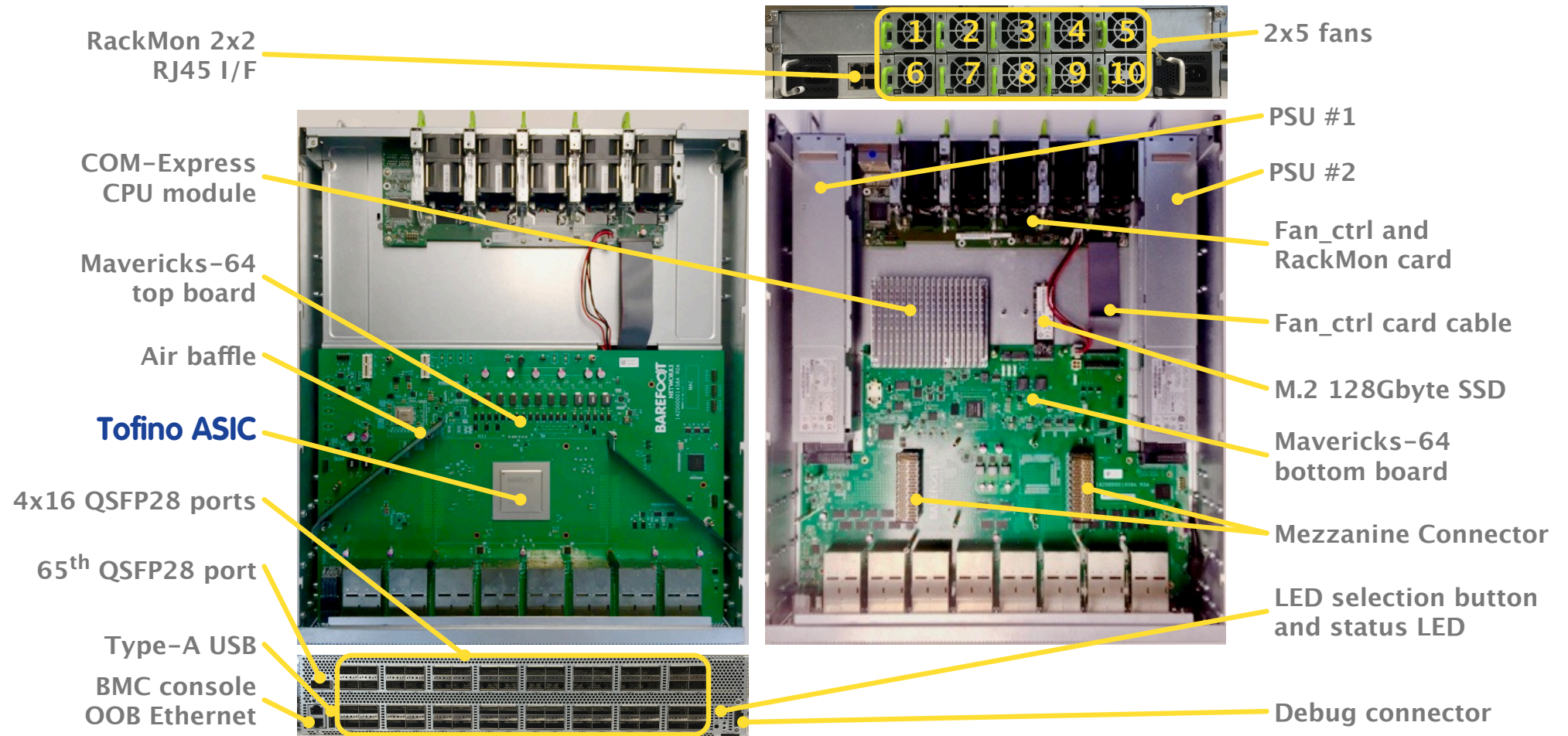
Wedge 100BF-32X



Wedge 100BF-65X



Wedge 100BF-65X



CPU & BMC

- CPU
 - Modular COM Express Type 6
 - PCIe Gen2/3 x4
 - Intel Xeon D-1517
 - 4 Core@2.2GHz
 - 8GB DDR4 SDRAM
 - 128GB M.2 SSD
- BMC
 - Aspeed AST1250A1-GP
 - 400MHz



Thank you!

