OCP NIC: What’s now and the future
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Damien Chong, OCP NIC sub-group lead
A year in review

November 2020: OCP Tech Week

October 2020: OCP NIC alignment on PCIe Gen5 loss budget

October 2020: Start new form factor investigation with 3 candidates (17.8mm, 18.1mm & 20.1mm)
November 2020: Narrow down to two new form factor (17.8mm) & ETSFF (20.1mm)

November, 2020: OCP NIC 3.0 rev 1.1 specification released
A year in review

March 2021: Narrow down to one TSFF 17.8mm
March 2021: 1st mechanical fit test fixture
March 2021: Community survey
April 2021: Community alignment to pursue TSFF
A year in review

May 2021: Thermal workgroup rejuvenate
June, 2021: Molex joined as Contributor
A year in review

July, 2021: 2\textsuperscript{nd} mechanical fit test fixture
July, 2021: OCP NIC 3.0 rev 1.1.1 release candidate
Sept, 2021: OCP NIC 3.0 rev 1.2 specification released
Beyond NIC initiative

- Utilizing OCP NIC 3.0 form factor in non-NIC use-case
- Some connector such as miniSAS-HD popular in retimer, unable to fit SFF 15.1mm height constraints. Roadblock ungated with TSFF 17.8mm definition
- OCP NIC form factor suitable for high bandwidth, high density and/or external cable application
What’s next?

Speed
• PCIe host interface
• Out-of-band interface
• Network serdes interface

Management
• Self protection
• Security
Gather feedback throughout the year

Provide your feedback at:
https://tinyurl.com/feedback2ocpnic
## OCP Experience Lab Demo

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Call to Action

• Join OCP NIC sub-group monthly call 1\textsuperscript{st} Wednesday of the month
• Join us in the journey to define OCP NIC specification
• Provide us any feedback thru feedback form at https://tinyurl.com/feedback2ocpnic

Project Wiki with latest specification: https://www.opencompute.org/wiki/Server/Working

Project meeting schedule: http://opencompute.org/projects/projects-calendar/

Mailing list sign-up: https://ocp-all.groups.io/g/OCP-NIC
Thank you!