100 Gb/s Per Lane Optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE Call for Interest

Closing Report

Mark Nowell - Cisco

IEEE 802.3 Working Group

Bangkok, Thailand

Nov 14th, 2018

Consensus Building Presentation

Met Tuesday evening from 6:30-7:30pm

- 90 people in the room at time of count
- Presenter and expert panel
  - Mark Nowell – Cisco
  - David Lewis– Lumentum
  - Jeffery Maki - Juniper
  - Kohichi Tamura - Oclaro
- The presentation discussed the motivation and needs for 100 Gb/s Per Lane Optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE:
  - http://www.ieee802.org/3/cfi/1118_1/CFI_01_1118.pdf

Supporters

Justin Abbott, Lumentum
Anand Anandakumar, Maxlinear
Pete Anslow, Ciena
Rich Baca, Microsoft
Vittal Balasubramanian, Innovium
Thananya Baldwin, Keysight
Vipul Bhatt, Finisar
Brad Booth, Microsoft
Matt Brown, MACOM
Jose Castro, Panduit
Frank Chang, Source Photonics
David Chen, Applied Optoelectronics
Chris Cole, Finisar
Piers Dawe, Mellanox
Chris Diminico, PHY-SI
Mike Dudek, Cavium
David Estes, Spirent
Arash Farhoodfar, Inphi
Jan Filip, Maxim Integrated
Paul Goldgeier, ColorChip
Mark Gustlin, Cisco
Rita Horner, Synopsis
Jonathan Ingham, Foxconn Interconnect Technology
Hideki Isono, Fujitsu
Kenneth Jackson, Sumitomo Electric
John Johnson, Broadcom
Mark Kimber, Semtech
Jonathan King, Finisar
Paul Kolesar, Commscope
Greg Lecheminant, Keysight
Jon Lewis, Dell
David Lewis, Lumentum
Mike Li, Intel
Robert Lingle, OFS
Hai-Feng Liu, Intel
Karen Liu, Lightwave Logic
Kent Lusted, Intel
Mabud Mabud Choudhury, OFS
Khushrow Machhi , Broadcom
Jeffery Maki, Juniper
David Malicoat, Senko
Flavio Marques, Furakawa Electric
Marco Mazzini, Cisco
Rich Mellitz, Samtec
Shirao Mizuki, Mitsubishi Electric
Ray Nering, Cisco
Gary Nicholl, Cisco
Shawn Nicholl, Xilinx
David Ofelt, Juniper
Tom Palkert, MACOM
Rajiv Pancholy, Broadcom
Earl Parsons, Commscope
Jerry Pepper, Keysight
Rick Pimpinella, Panduit
Kees Propstra, Multilane
Rick Rabinovich, Keysight
Rajesh Radhamohan, Maxlinear
Salvatore Rotolo, ST Microelectronics
Sam Sambasivan, AT&T
Scott Schube, Intel
Shikui Shen, China Unicom
Kapil Shrikhande, Innovium
Scott Sommers, Molex
Ted Sprauge, Infinera
Phil Sun, Credo
Takanori Suzuki, Oclaro
Steve Swanson, Corning
Tomoo Takahara, Fujitsu Laboratories
Mike Takefman, Inphi
Kohichi Tamura, Oclaro
Pirooz Tooyserkani, Cisco
Nathan Tracy, TE
Matt Traverso, Cisco
Eddie Tsumura, Sumitomo Electric
Jeff Twombly, Credo
Ed Ulrichs, Source Photonics
Mike Wang, HiSense
Brian Welch, Luxtera
Chongjin Xie, Alibaba
Simon Ximen, ColorChip
James Young, Commscope
Ryan Yu, Molex
Hua Zhang, HiSense
Kevin Zhang, IDT
Pavel Zivny, Tektronix

Straw Polls

- Should a Study Group be formed to consider 100 Gb/s Per Lane Optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE?

- Y: 80 N: 0 A: 3

- Room Count: 90

Participation Straw Polls

- I would participate in the “100G Lambda”* Study Group in IEEE 802.3.
- Tally:55

- My company would support participation in the “100G Lambda”* Study Group in IEEE 802.3.
- Tally: 43

** 100 Gb/s per Lane Optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE*

Motion

- Move that the IEEE 802.3 Working Group request the formation of a Study Group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for 100 Gb/s per lane optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE

- M: Mark Nowell
- S: David Lewis
- (> 50%)
- Y: 85 N: 0 A: 1

Final points

- On-going consensus building
- (assuming successful motion) Study Group will meet in January 2019
- Thank you again to the panel from the consensus presentation

  David Lewis– Lumentum

  Jeffery Maki - Juniper

  Kohichi Tamura - Oclaro