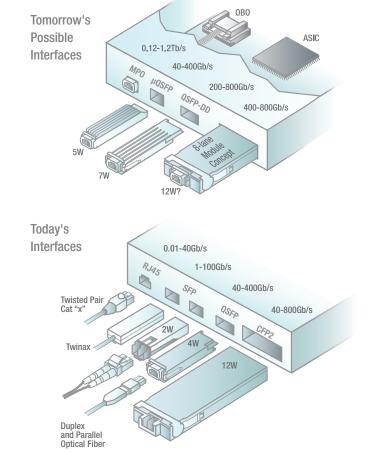
MEDIA AND MODULES

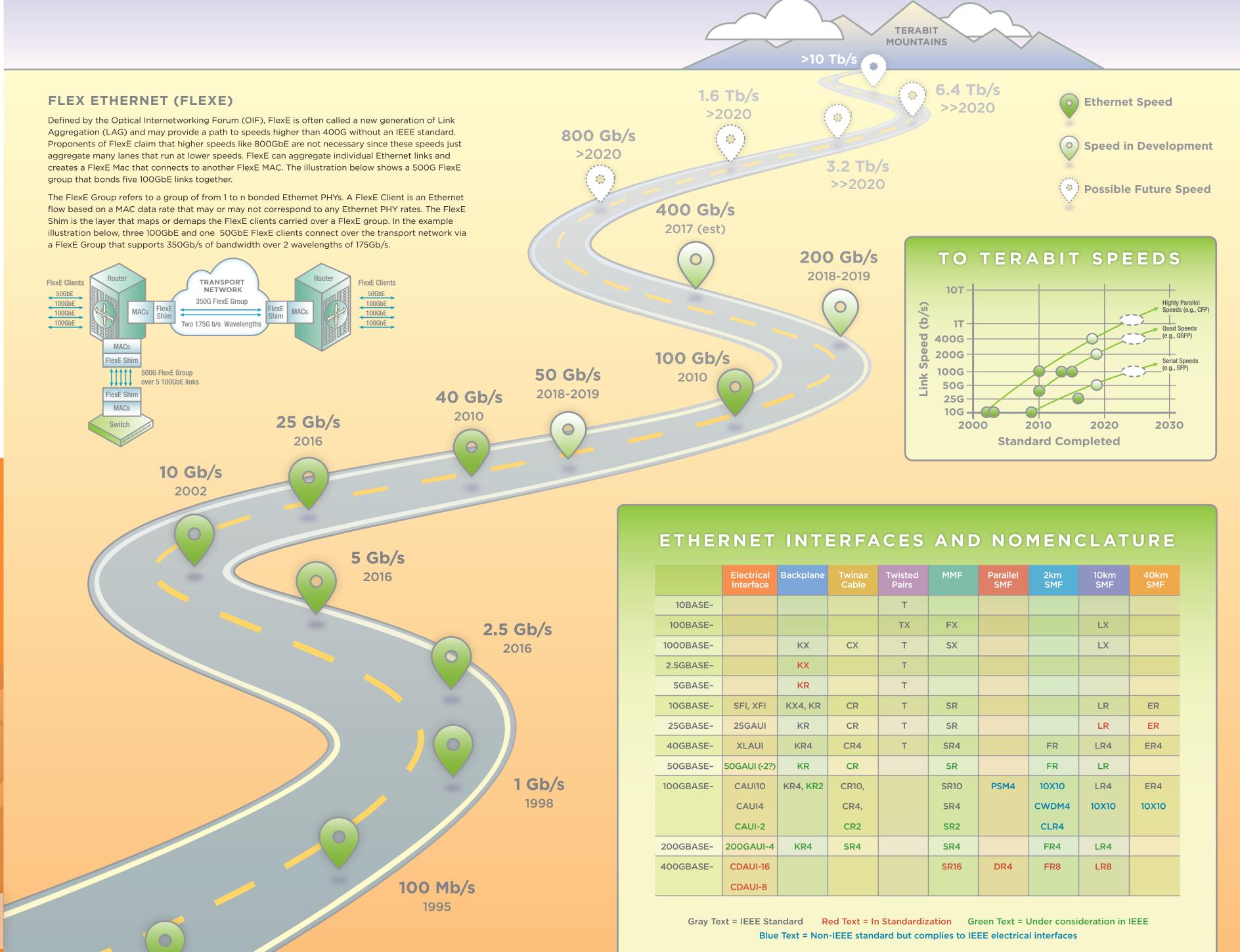
Ethernet is wired technology and supports a variety of media including backplanes, twisted pair, twinax, multimode fiber and single-mode fiber. Most people know Ethernet by the twisted pair or Cat "x" cabling with RJ45 connectors because close to a billion ports a year are sold.

The graphic below shows multiple types of modules that may be used for copper or optical links. The upper modules are being developed to support ultra-high density port counts. The µQSFP shrinks the QSFP down to an SFP size while the QSFP-DD doubles the lane count to 8. On Board Optics (OBO) enable the highest port counts on switches.



ETHERNET SPEEDS THE PAST, PRESENT AND FUTURE OF ETHERNET ETHERNET SPEEDS TOOLOGE TO

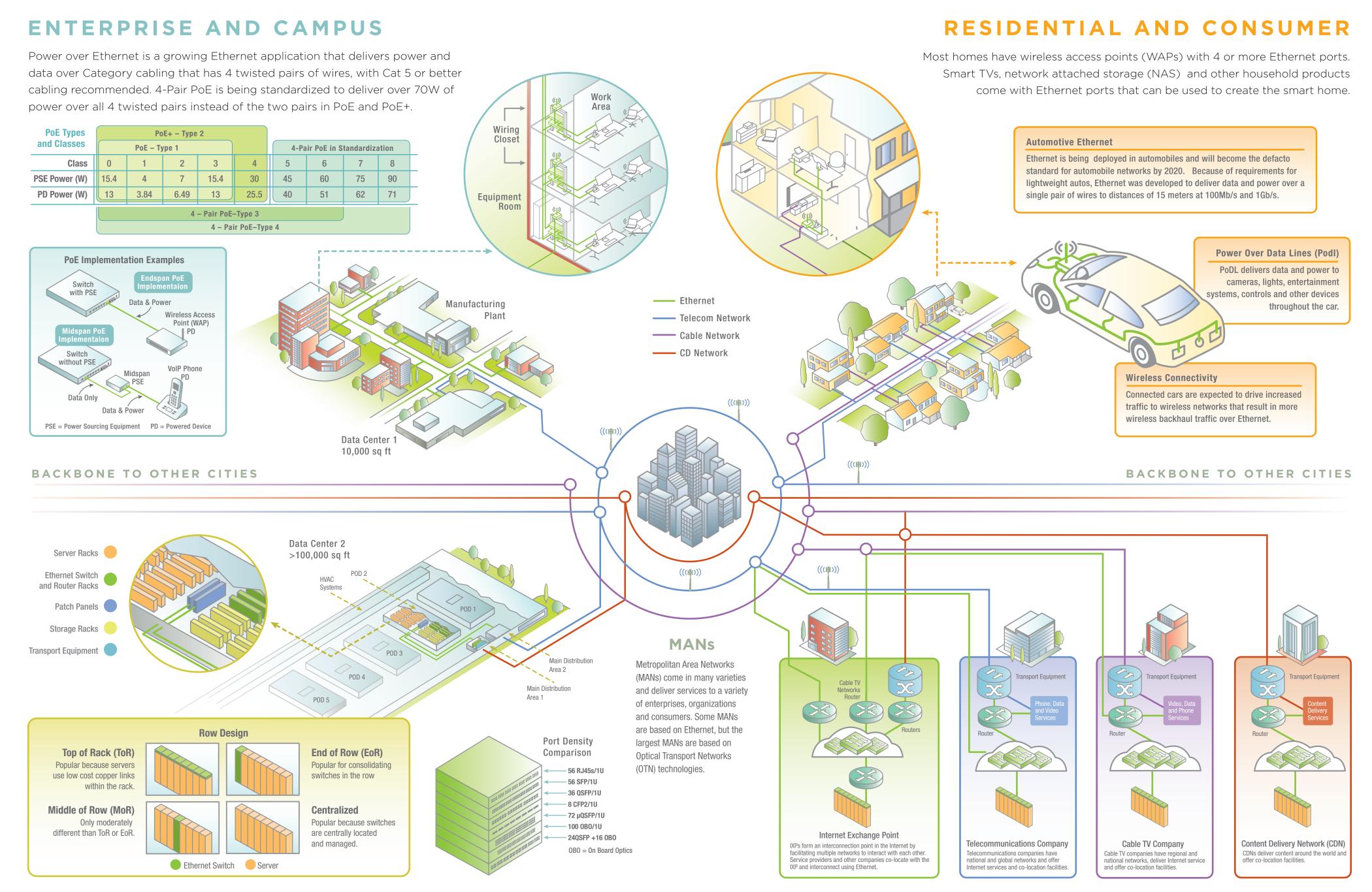
2016 ETHERNET ROADMAP



ETHERNET ECOSYSYTEM

10 Mb/s

1983



Hyperscale data centers drive amazing Ethernet volumes when hundreds of thousands of servers are connected on one site.

HYPERSCALE DATA CENTER

Service Providers deploy MANs and WANs to connect businesses and consumers. Some carriers deploy hyperscale data centers as well.

To get a PDF version of the roadmap and to find out more about the roadmap, please go to: www.ethernetalliance.org/roadmap/