The graphic below shows multiple types of Ethernet MEDIA AND MODULES.

**MEDIA AND MODULES**

- **Interconnects**
  - Twinax
  - MMF Parallel
  - SMF Parallel
  - LR
  - ER
  - CWDM4

- **Switches**
  - 2.5G
  - 5G
  - 10G
  - 25G
  - 50G
  - 100G
  - 200G
  - 400G
  - 500G
  - 1T
  - 4T
  - 8T

- **LANs**
  - Metropolitan area networks

**RESIDENTIAL AND CONSUMER**

Most homes have wireless access points (WAPs) with 4 or more Ethernet ports. Smart TVs, network attached storage (NAS), and other household products come with Ethernet ports that can be used to create the smart home.

**ENTERPRISE AND CAMPUS**

Power over Ethernet is a growing Ethernet application that delivers power and data over Category cabling that has 4 twisted pairs of wire. With Cat 5- or better cabling recommended, a 56-PoE is being standardized to deliver over 70W of power over all 4 twisted pairs instead of the two pairs of PoE+.

**FLEX ETHERNET (FLEXE)**

Reflecting the Global Telecommunications Forum (GTF)’s focus on new applications of Ethernet technology, GTF is exploring applications of high-speed Ethernet (e.g., 100G). This is a logical extension of Ethernet as the technology has evolved to support higher speeds and lower frequencies. The GTF monitors the GMPLS space as a test bed for the challenge of scalable transport networks with high-speed capabilities like higher-priority queues in switches.

**HYPERSCALE DATA CENTER**

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

**SERVICE PROVIDERS**

Service Providers deploy WAPS and WRBs to connect businesses and consumers. Some carriers deploy Ethernet data centers as well.