

1 Twisted Pair 100 [C] Mbit/s Ethernet

Call for Interest at IEEE802.3 Working Group
March 17, 2014
Beijing (P.R. China)



Call for Interest

- Since the March 2012 plenary the IEEE 802 Community has been working on several automotive related activities, indicating huge interests from automotive and industrial control stakeholders in Ethernet based solution. The IEEE P802.3bp Task Force is working on 1000BASE-T1 to support 1Gb/s operation over a single twisted pair in the harsh automotive environment, the IEEE P802.3bu Task Force is working on the provision of power via a single twisted pair, and in IEEE 802.1 there are several activities related to Time Sensitive Networks in support of future Automotive Advanced Driver Assistance Systems such as highly automated driving.
- To enable this multi-million port Ethernet market there is also a need for a solution to support 100 Mb/s operation over a single twisted pair in the harsh automotive environment, as not all of these ports will be capable of supporting 1Gb/s. Many users, premium and volume car manufactures, and their suppliers, desire an IEEE 802.3 standard based solution in order to enable and extend a multi-vendor supplied ecosystem for the automotive industry.

Logistics

- Consensus building meeting
 - Tuesday, March 18, 2014
 - 21:00 – 22:30
 - Room: tbd.