



Reduced Twisted Pair Gigabit Ethernet PHY Call for Interest

IEEE 802.3 Ethernet Working Group

March 12, 2012

Waikoloa, HI



Call for Interest

IEEE Std 802.3 PHYS are being deployed in ever-increasing numbers in a wide variety of application spaces. Recently, the global automotive industry has begun to deploy Ethernet into vehicles as a backbone for all data services. This includes vehicle control (brakes, suspension, transmission, ECU, etc.) and well as infotainment. The automotive industry is interested in 1Gb/s speeds, but with fewer than the four pairs currently used by 1000BASE-T. The reduction in wire pairs will reduce the size and weight of the Ethernet wiring in the vehicle, as well as allowing for greater connector flexibility. It is estimated that over 270 million Ethernet nodes per year will be present in cars by 2019. This represents an untapped, high-volume market for Ethernet technology that would likely open up new applications in other areas, such as industrial control and avionics.

Logistics

- Consensus building meeting
 - Monday, March 12, 2012
 - 7:00PM to 8:30PM
 - Room: Queens 4/5/6
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