



IEEE802.3 Study Group ... 10gig Twisted-Pair Copper

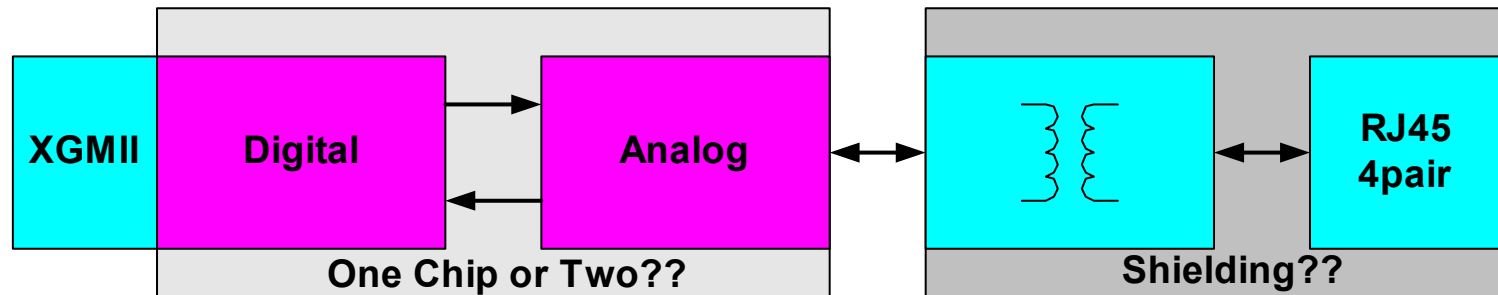
Title: System Requirements for Twisted-Pair

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Abstract: This presentation lists systems-level requirements for a 10gig twisted-pair interface.

System Level Overview



Summary

- Coding
 - Open to most implementations.
 - Prefer something that will allow frame extension $\geq 16\text{Kbytes}$.
- Cable
 - 0 to 100m
 - Cat5/cat5E
- Testing
 - Favor specifying Channel model and transmitter.
- Agency
 - FCC A with up to 8ports on a slot.
 - Explore NEBS.

Summary – cont.

- Favor single chip solution
- Favor electrical requirements that allow for both integrated and non-integrated magnetics within the connector to allow for NEBS or other agency compliance.
- Allow for 750mil pair to pair length difference, 50mil within the pair (from the Magnetic to the chip).