Draft new Recommendation ITU-T J.198.2 (ex J.HiNoC3-PHY)

Physical layer specification for third-generation HiNoC

Summary

This Recommendation aims to define the physical (PHY) layer specification of third generation high performance network over coax (HiNoC 3.0) which provides 10 Gbit/s data transmission over coaxial networks in the cable industry. The HiNoC network consists of a HiNoC bridge (HB) and HiNoC modems (HMs). The HiNoC protocol stack includes Media Access Control (MAC) layer and Physical (PHY) layer. This Recommendation contains descriptions for the signal transmission mechanism of the HiNoC 3.0 PHY layer, including frame structure, channel coding and modulation techniques. The HiNoC 3.0 protocol supports channel bonding which refers to the scheduling of the MAC layer frames over multiple PHY layer channels.

Keywords

Third generation HiNoC, Physical layer

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