
**Telecommunications and exchange
between information technology
systems — Requirements for local and
metropolitan area networks —**

Part 3:

Standard for Ethernet

**AMENDMENT 5: Physical layers
specifications and management
parameters for 10 Mb/s operation and
associated power delivery over a single
balanced pair of conductors**

*Télécommunications et échange entre systèmes informatiques —
Exigences pour les réseaux locaux et métropolitains —*

Partie 3: Norme pour Ethernet

*AMENDEMENT 5: Spécifications des couches physiques et paramètres
de gestion pour fonctionnement à 10 Mb/s et fourniture de puissance
associée sur une paire symétrique unique de conducteurs*



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Institute of Electrical and Electronics Engineers, Inc
3 Park Avenue, New York
NY 10016-5997, USA

Email: stds.ipr@ieee.org
Website: www.ieee.org

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IEEE Std 802.3bt™-2018, IEEE Std 802.3cd™-2018,
and IEEE Std 802.3cn™-2019)

IEEE Standard for Ethernet

Amendment 5: Physical Layer Specifications and Management Parameters for 10 Mb/s Operation and Associated Power Delivery over a Single Balanced Pair of Conductors

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Abstract: This amendment to IEEE Std 802.3-2018 specifies additions and appropriate modifications to add 10 Mb/s Physical Layer (PHY) specifications and management parameters for operation, and associated optional provision of power, over a single balanced pair of conductors.

Keywords: 10BASE-T1L, 10BASE-T1S, amendment, copper, Ethernet, IEEE 802.3™, IEEE 802.3cg™, MASTER-SLAVE, medium dependent interface, physical coding sublayer, Physical Layer, Physical Layer Collision Avoidance, PLCA, physical medium attachment

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