

Preface

This document contains the specification of the Ethernet, a local area network developed jointly by Digital Equipment Corporation, Intel Corporation, and Xerox Corporation. The Ethernet specification arises from an extensive collaborative effort of the three corporations, and several years of work at Xerox on an earlier version of the Ethernet.

The Ethernet

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A Local Area Network

This document contains 7 sections and three main groups:

Data Link Layer

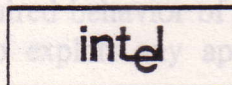
and

Physical Layer

Specifications

Readers wishing to obtain an initial grasp of the organization and content of the specification should first read the Preface and the Introduction. The actual implementation of the Ethernet will find Sections 5, 6, and 7 to contain the central material of the specification. Section 2 provides references, and the appendices provide supplementary material.

The approach taken in the specification of the Data Link Layer in Section 6 is a procedural one; in addition to describing the necessary algorithms in English and control flow charts, the specification presents these algorithms in the language Pascal.



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