
**Identification cards — Integrated circuit(s)
cards with contacts —**

Part 1:
Physical characteristics

Cartes d'identification — Cartes à circuit(s) intégré(s) à contacts —

Partie 1: Caractéristiques physiques



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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

International Standard ISO/IEC 7816-1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 17, *Identification cards and related devices*.

This first edition of ISO/IEC 7816-1 cancels and replaces the first edition of ISO 7816-1:1987, which has been technically revised.

ISO/IEC 7816 consists of the following parts, under the general title *Identification cards — Integrated circuit(s) cards with contacts*:

- *Part 1: Physical characteristics*
- *Part 2: Dimensions and location of the contacts*
- *Part 3: Electronic signals and transmission protocols*
- *Part 4: Interindustry commands for interchange*
- *Part 5: Numbering system and registration procedure for application identifiers*
- *Part 6: Interindustry data elements*
- *Part 7: Interindustry commands for structured card query language*
- *Part 8: Security related interindustry commands*
- *Part 10: Electronic signals and answer to reset for synchronous cards*