

1. Record Nr.	UNINA9910143171303321
Autore	Finkenzeller Klaus
Titolo	RFID Handbook: Fundamentals and Applications in Contactless Smart Cards and Identification
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley & Sons Incorporated, 2003
ISBN	1-280-55606-4 9786610556069 1-59124-804-3 0-470-86802-3
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (434 pages)
Altri autori (Persone)	VerlagCarl Hanser
Disciplina	621.38411
Soggetti	Engineering - Electronics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	<p>Developments in RFID (Radio-Frequency Identification) are yielding larger memory capacities, wider reading ranges and quicker processing, making it one of fastest growing sectors of the radio technology industry. RFID has become indispensable in a wide range of automated data capture and identification applications, from ticketing and access control to industrial automation. The second edition of Finkenzeller's comprehensive handbook brings together the disparate information on this versatile technology. Features include: Essential new information on the industry standards and regulations, including ISO 14443 (contactless ticketing), ISO 15693 (smartlabel) and ISO 14223 (animal identification). Complete coverage of the physical principles behind RFID technologies such as inductive coupling, surface acoustic waves and the emerging UHF and microwave backscatter systems. A detailed description of common algorithms for anticollision. An exhaustive appendix providing listings of RFID associations, journals and standards. A sample test card layout in accordance with ISO 14443.; Numerous sample applications including e-ticketing in public transport systems and animal identification. End users of RFID</p>

products, electrical engineering students and newcomers to the field will value this introduction to the functionality of RFID technology and the physical principles involved. Experienced ADC professionals will benefit from the breadth of applications examples combined within this single resource.

---