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Nota di contenuto	Cover; The Internet of Things; Title Page; Copyright Page; Table of Contents; Preface; Chapter 1. Introduction to the Internet of Things; 1.1. Introduction; 1.2. History of IoT; 1.3. About objects/things in the IoT; 1.4. The identifier in the IoT; 1.5. Enabling technologies of IoT; 1.5.1. Identification technology; 1.5.2. Sensing and actuating technology; 1.5.3. Other technologies; 1.5.4. Connected objects' communication; 1.6. About the Internet in IoT; 1.7. Bibliography; Chapter 2. Radio Frequency Identification Technology Overview; 2.1. Introduction; 2.2. Principle of RFID 2.3. Components of an RFID system 2.3.1. Reader; 2.3.2. RFID tag; 2.3.3. RFID middleware; 2.4. Issues; 2.5. Bibliography; Chapter 3. Wireless Sensor Networks: Technology Overview; 3.1. History and context; 3.1.1. From smart dust to smart plants; 3.1.2. Application requirements in modern WSNs; 3.2. The node; 3.2.1. Communication; 3.2.2. Computation; 3.2.3. Sensing; 3.2.4. Energy; 3.3. Connecting nodes; 3.3.1. Radio basics; 3.3.2. Common misconceptions; 3.3.3.

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Sommario/riassunto

Internet of Things: Connecting Objects... puts forward the technologies and the networking architectures which make it possible to support the Internet of Things. Amongst these technologies, RFID, sensor and PLC technologies are described and a clear view on how they enable the Internet of Things is given. This book also provides a good overview of the main issues facing the Internet of Things such as the issues of privacy and security, application and usage, and standardization.
