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   Titolo   Implementing 802.11 with microcontrollers [[electronic resource]] : wireless networking for embedded systems designers / / by Fred Eady

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   Note generali   Includes index.

   Nota di contenuto   Front Cover; Implementing 802.11 with Microcontrollers: Wireless Networking for Embedded Systems Designers; Copyright Page; Contents; Preface; What's on the CD-ROM?; Chapter 1: Why Are We Doing This?; Selecting a Suitable Microcontroller; Selecting a Suitable 802.11b Communications Device; 802.11b Hardware Overview; AirDrop Basics; Chapter 2: The AirDrop-P; The AirDrop-P Hardware; Learn to Play Guitar and Become Famous; Chapter 3: The AirDrop-A; The AirDrop-A Hardware; Bowing Out; Chapter 4: 802.11b CompactFlash Network Interface Cards; They Were Not Designed To Do This; The TEW-222CF
                        Never Ignore an Inquisitive Author with Hand ToolsUnwrapping the TEW-222CF; An Undercover Look at the Zonet ZCF1100; What's Behind Door Number 4; RF, Witchcraft, Pointy Hats, Ghouls, Goblins...Same Thing; Chapter 5: Talking With 802.11b CompactFlash NICs; Physically Connecting a Microcontroller to a CompactFlash Card; Musical Overtones; Chapter 6: Touring the Card Information Structure; Talking in Tuples; First Steps with the AirDrop-P; Walking the Tuple Chain; CIS Reconnaissance; Dumping Linksys WCF12 Tuples; Dumping Netgear MA701 Tuples; Dumping Zonet ZCF100 Tuples

Sommario/riassunto	Wireless networking is poised to have a massive impact on communications, and the 802.11 standard is to wireless networking what Ethernet is to wired networking. There are already over 50 million devices using the dominant IEEE 802.11 (essentially wireless Ethernet) standard, with astronomical growth predicted over the next 10 years. New applications are emerging every day, with wireless capability being embedded in everything from electric meters to hospital patient tracking systems to security devices. This practical reference guides readers through the wireless technology forest, gi