

IEEE 802.11b Wireless LANs

Wireless Freedom at Ethernet Speeds

Contents

- What's New in Wireless LANs: The IEEE 802.11b Standard 2
- The Competitive Advantage of Going Wireless 2
- IEEE 802.11 and 802.11b Technology 3
 - 802.11 Operating Modes 4
 - The 802.11 Physical Layer 4
 - 802.11b Enhancements to the PHY Layer 6
 - The 802.11 Data Link Layer 6
 - Association, Cellular Architectures, and Roaming 7
 - Support for Time-Bounded Data 9
 - Power Management 9
 - Security 9
- Considerations for Choosing a Wireless LAN 9
 - Ease of Setup 9
 - Ease of Management 10
 - Range and Throughput 10
 - Mobility 10
 - Power Management 11
 - Safety 11
 - Security 12
 - Cost 12
- Conclusion 12