802.11

COMPROBE® PROTOCOL ANALYSIS SYSTEM

802.11 a/b/g/n PROTOCOL ANALYZER

Introducing the ComProbe 802.11 a/b/g/n protocol analyzer, the latest addition to the world-class suite of ComProbe analyzers from Frontline.

The ComProbe 802.11 protocol analyzer lets you passively capture wireless traffic like never before. No other device on the market provides the precision, reliability, or capacity to gather wireless data better than the ComProbe 802.11 protocol analyzer!

The sheer volume of 802.11 data flowing between devices can be staggering, but gone are the days when you missed or dropped packets because your analyzer simply couldn't keep up with the amount of data flowing through the air. Frontline has met the challenge head-on by building into the ComProbe 802.11 analyzer a staggering ~250GB data buffer. This means you are going to get all the data, all the time.
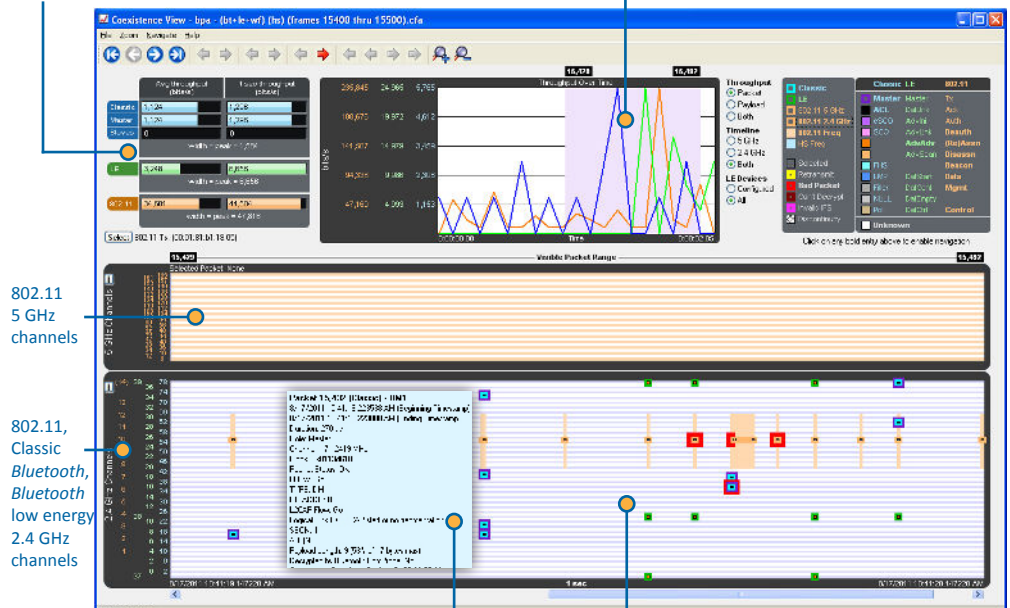
Bluetooth® Coexistence

The analysis of 802.11 and *Bluetooth* data packets in one view is possibly one of the most challenging tasks for wireless device developers. Capturing the precise timing, size, and frequency of each and every packet is essential to successfully developing and debugging devices using both technologies, and until now has been, at best, an elusive objective.

The ComProbe 802.11 analyzer replaces the 3.0+HS add-on used with the ComProbe BPA® 500 Dual Mode *Bluetooth* protocol analyzer (Classic *Bluetooth* and low energy) and the ComProbe FTS4BT® protocol analyzer (Classic *Bluetooth* only). By comparison the ComProbe 802.11 analyzer surpasses this previous add-on in every respect.

- Capture all the data - no dropped packets
- Precise packet timestamps synchronized with the ComProbe BPA 500 through ProbeSync™ technology, which allows devices to share a common clock
- Improved coexistence view

Either as a stand-alone 802.11 or Wi-Fi Direct analyzer, or in combination with the BPA 500, the ComProbe 802.11 is the precise and comprehensive analysis tool you need for 802.11 and *Bluetooth* over 802.11 wireless communications.

The ComProbe 802.11 Protocol Analyzer includes powerful ComProbe software and the 802.11 a/b/g/n hardware interface.

Key Features and Benefits

- **Get the Data You Need**
  See ALL of the data ALL of the time - never drop a packet and capture 100% of the data with our built-in ~250GB buffer

- **Trust the Data You Get**
  Get exact timing information for each packet - the ComProbe 802.11 provides reliable and accurate timestamps for all packets

- **Coexistence Packets in Lock-Step**
  In tandem with the ComProbe BPA 500, the coexistence window combines 802.11 and *Bluetooth* 4.0+HS packets into one view with precise timestamp synchronization using Frontline's ProbeSync technology

- **Analyze Wi-Fi Direct**
  Analyze the latest 802.11 devices - the ComProbe 802.11 analyzer supports Wi-Fi Direct

- **Up-to-the-Minute Decodes Means Thorough Analysis**
  Analyze devices using the full spectrum of 802.11 protocols - 802.11 a/b/g/n support means you don't have to wonder if an 802.11 protocol is supported

ComProbe is a registered trademark of Frontline Test Equipment, Inc.

frontline® Debug Communications Faster℠

Throughput graphs for average, 1 second and over time

802.11 5 GHz channels

802.11, Classic *Bluetooth*, *Bluetooth* low energy 2.4 GHz channels

Tooltips with comprehensive packet details

802.11, Classic *Bluetooth* and *Bluetooth* low energy packets in a single view
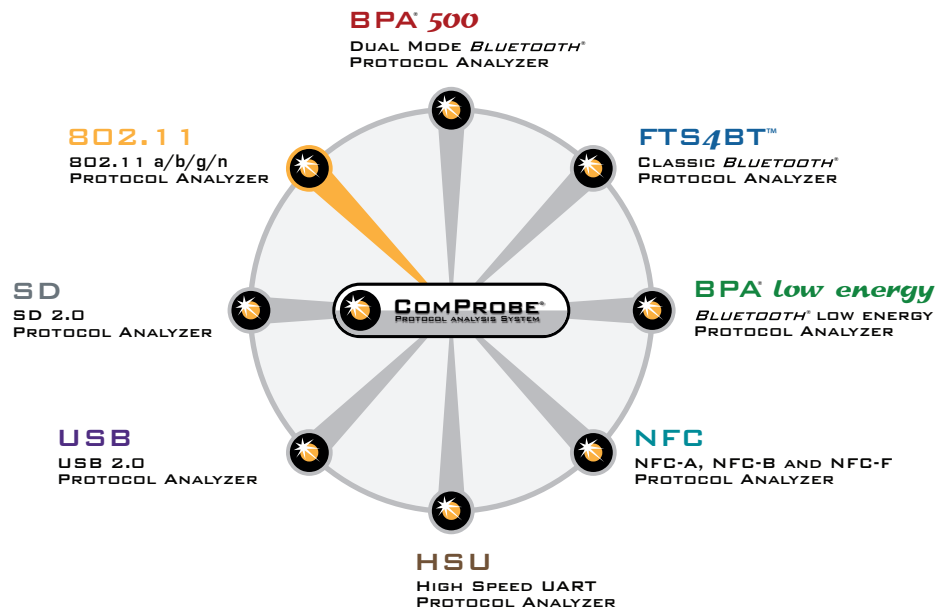
The ComProbe 802.11 Hardware Interface

The ComProbe 802.11 Protocol Analyzer includes the portable and robust 802.11 a/b/g/n hardware interface, which supports connectivity to 802.11 wireless and Wi-Fi Direct communications.

The 802.11 a/b/g/n hardware interface is one member of an extensive arsenal of technology-specific hardware interfaces, all functioning with the powerful ComProbe software. This modular approach allows greater flexibility in protocol analysis and debugging, and provides comprehensive views over virtually any combination of protocols.

Minimum PC Requirements

- Pentium PC 2GHz or faster
- Windows XP (32-bit) or Windows 7 (32-bit or 64-bit)
- 2GB of RAM
- 50MB free disk space
- USB 2.0 port

BPA 500
DUAL MODE *BLUETOOTH* PROTOCOL ANALYZER

802.11
802.11 a/b/g/n PROTOCOL ANALYZER

FTS4BT™
CLASSIC *BLUETOOTH* PROTOCOL ANALYZER

SD
SD 2.0 PROTOCOL ANALYZER

ComProbe®
PROTOCOL ANALYSIS SYSTEM

BPA low energy
BLUETOOTH LOW ENERGY PROTOCOL ANALYZER

USB
USB 2.0 PROTOCOL ANALYZER

NFC
NFC-A, NFC-B AND NFC-F PROTOCOL ANALYZER

HSU
HIGH SPEED UART PROTOCOL ANALYZER

The ComProbe Modular Approach

ComProbe software is at the core of Frontline protocol analysis, allowing technology-specific hardware interfaces to work individually or in combination with other hardware interfaces. This modular approach gives the developer or analyst the widest possible range of scenarios for debugging complex communications.

To order or for more information:

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