The ComProbe® SD 2.0 Protocol Analyzer allows developers and engineers to thoroughly analyze SD, SDIO, MMC and SPI communications, as well as Bluetooth® data carried over the SDIO physical layer, by simultaneously capturing, decoding, displaying, filtering, and detecting errors - all live.

Powered by USB, this small form-factor analyzer provides non-intrusive analysis without any compromises; the ComProbe SD comes loaded with support for SPI and MMC specification, and captures data at High-Speed 480 Mbps - it’s the ideal field or bench tool for developers of SD/SDIO/MMC-equipped devices or Bluetooth devices that use SDIO technology.

Big Window into a Small Format

The ComProbe SD provides developers and engineers with one compact and portable point of access to multiple bus types, including SD, SDIO, MMC and SPI, and supports 1 and 4-bit modes ensuring compatibility with current specifications. Not only does the device provide a non-intrusive window into native-format bus performance and command and response tokens, but also allows Bluetooth developers to capture Bluetooth data as it’s transported over the SDIO bus.

Once captured, data can be viewed, debugged and target-searched for errors with the powerful and mature ComProbe software. The ComProbe SD can significantly reduce the time you spend debugging SD/SDIO device protocol and timing issues, and help to bring your SD, SDIO, MMC, SPI or Bluetooth product to market faster.

Key Features and Benefits

- **Data You Can Trust**
  Non-intrusive in-line capture and analysis provides uncontaminated views of the data you need

- **Current and Compatible**
  Support for 1 bit, 4-bit, and SPI modes makes sure you’re compatible with current SD, SDIO and MMC specifications

- **Compact unit delivers big features** to developers of SD, SDIO, SPI and MMC technologies, in the field or at the bench

- **Comprehensive Protocol Analysis**
  Can be used in conjunction with other ComProbe devices for interoperability analysis over multiple bus types

- **Faster to Market**
  Reduces debug time with simultaneous live capture, display, decode, filtering and detection of protocol errors

ComProbe is a registered trademark of Frontline Test Equipment, Inc.
The ComProbe SD Hardware Interface

The ComProbe SD 2.0 Protocol Analyzer includes the portable and robust SD/SDIO/SPI/MMC hardware interface, which supports connectivity to SD, SDIO, SPI and MMC-equipped devices. In addition to the standard SD card adapter, a micro SD card adapter is included for sniffing communications between micro SD cards and cell phones.

The SD/SDIO/SPI/MMC 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 coexistence views over virtually any combination of protocols.

Supported Configurations

- OS Supported: Win 7 and Win 8
- USB Port: USB 2.0 or USB 3.0 High-Speed

Minimum System Requirements

- Processor: Core i5 at 2.7 GHz or faster
- 4 GB of RAM
- 20 GB free disk space

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.