

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Frontline HSU



The Frontline HSU Protocol Analyzer includes powerful Frontline software and the High Speed UART hardware interface.

Key Features and Benefits

- Data You Can Trust
 Non-intrusive analysis provides uncontaminated views of the HCI data you need
- Synced with Bluetooth
 ProbeSync ensures that Bluetooth
 data captured by the BPA 600 is in
 lock step with HSU data
- Compact footprint delivers big features to developers of Bluetooth technologies
- USB-powered means excellent portability and simpler device setup - just plug into the USB port and go!
- Comprehensive Protocol Analysis
 Can be used in conjunction
 with other Frontline devices for
 interoperability analysis over
 multiple bus types
- Features direct TTL connection to HCI UART transport layer
- Full Serial Protocol Support
 Coverage is complete WCI-2,
 H4, H5 and BCSP protocols are supported
- Easy SSP Decryption
 Frontline HSU sends the link key directly to the ComProbe software for hassle-free SSP decryption



HIGH SPEED UART PROTOCOL ANALYZER

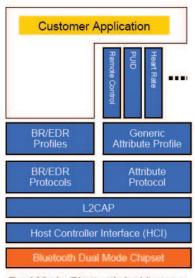
The Frontline HSU Protocol Analyzer allows developers and engineers to easily capture and decode high speed serial UART data. This tool is essential for Bluetooth® product developers who wish to debug elusive HCI communication issues between a *Bluetooth* Host and Controller.

Significantly Reduce Debugging Time with ProbeSync™

Frontline's ProbeSync enables two or more analyzers to share a common clock - when using the Frontline HSU with the BPA® 600 Dual Mode *Bluetooth* Protocol Analyzer, HCI andoverthe-air *Bluetooth* data are displayed in perfect time stamp synchronization. Once captured, all packets can be viewed, debugged and target-searched for errors with the powerful and mature Frontline software. Showing HCI and over-the-air packets in tight synchronization means that the ComProbe HSU can significantly reduce the time you spend debugging *Bluetooth* HCI protocols and timing issues, and help to bring your *Bluetooth* product to market faster.

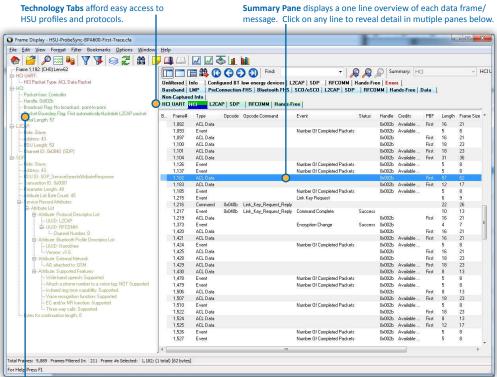
Portable and Powerful HCI Debugging

Powered by USB, this small form-factor analyzer provides non-intrusive analysis without any compromises; the Frontline HSU supports data rates up to 8 Mbps and supports *Bluetooth* HCI protocols including H4, H5 and BCSP. The Frontline HSU provides developers and engineers with one compact and portable point of access to high speed serial communications between chip sets. This analyzer provides a non-intrusive



Dual Mode Bluetooth Architecture

window into native-format bus performance and command and response tokens, and allows *Bluetooth* developers to capture *Bluetooth* data as it's transported over the HCI UART bus.



Decode Pane shows comprehensive layered decodes of each frame/message with clear, concise descriptions.

Specifications

- **Dimensions:** 2.75 x 2.0 x 0.9 inches
- Power: USB Powered
- Accessories:
 6' Shielded High-Speed USB cable

Connection Cable:

22-gauge test wires with 0.025" square sockets (total of 9, various colors)

Male RJ-45 socket ProbeSync connector

9 high-quality miniature test clips that allow connection

- Maximum Operating Speed (any mode) 100 MHz
- Maximum Rate of Data Capture 6Mbps
- TTL Level Inputs
 High level (logic 1): +2V to +5V
 Low level (logic 0): 0V to +0.8V
- Logs data from 8 digital channels
- Sample Data Rate 100 Mbps
- The HCI sniffer displays and decodes all the protocol layers all the way through the profile.
 The profile list includes:

L2CAP HFP SDP HID **RFCOMM HSP OBEX HCRP** OPP SAP FTP MAP BIP **HDP SMP** ATT

The Frontline HSU Hardware Interface

The Frontline HSU Protocol Analyzer includes the portable and robust high speed UART hardware interface, which supports connectivity between *Bluetooth* Hosts and Controllers. The product is powered by USB, and includes 22 gauge test wires with high quality miniature test clips that allow users to easily connect to narrow pitch components.

The Frontline HSU 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

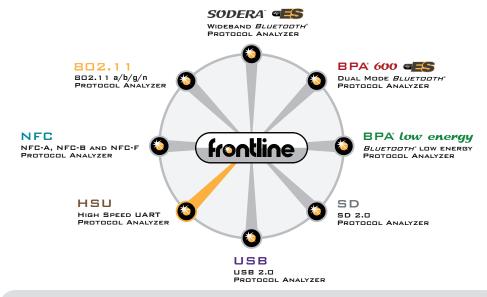
• USB Port: USB 2.0 or USB 3.0 High-Speed

Minimum System Requirements

Processor: Core i5 processor at 2.7 GHz

RAM: 4 GB

• Free Hard Disk Space: 20 GB



The Frontline Modular Approach

Frontline 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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