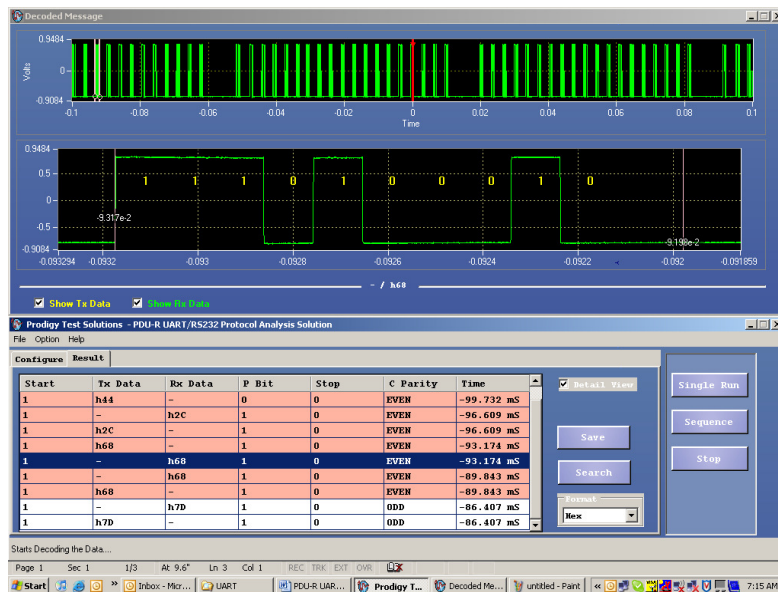


# PDU-R UART/RS232C Protocol Decode Software



UART/RS232 Protocol decode and waveform plot

PDU-R UART/RS232 Protocol decode software with Tektronix make windows based DPO5000/7000/70000 series oscilloscope helps in trigger on content of UART/RS232 signals and decode the signal content in hex, binary, ASCII, decimal format.

PDU-R with DPO70000/DSA70000 high bandwidth oscilloscope series can be used to debug the UART/RS232 serial buses. This enables designer to use DPO/DSA70000 series oscilloscope for debugging of UART/RS232C signals along with high speed designs SATA/DDR/ HDMI/ FBDIMM/PCI-E and so forth.

## Advanced Debug Capabilities

The feature rich PDU-R UART/RS232 protocol decode software imports the oscilloscope acquired UART/RS232 data and displays the decoded data in different data format. PDU-R provides flexibility of setting the numbers bits in stop/start of the UART frame.

# PDU-R UART/RS232C Protocol Decode Software

For easy and quick analysis, PDU-R offers flexibility to display the order of MSB and LSB bit in decoded byte. User can define number bits per data byte makes PDU-R a customizable view of the decoded data. These features make PDU-R software industry best decode and debug UART signals.

In PDU-R Protocol Decode Software user can quickly link the decoded data to waveform by selecting data in result table. In detailed view, the '1' and '0' is overlaid on the waveform for quick analysis of data transition. When signals are decoded from a wfm or CSV file, the PDU-R waveform display would plot the waveform enabling simultaneous view of time and data domain of UART signals.

## Features

- Converts time domain waveform information into data domain, and displays the contents in UART/RS232C message format.
- Simultaneous waveform and decoded data display in a single window allows efficient debugging.
- Ability to link any UART/RS232C frame to the waveform, allows efficient analysis of UART/RS232C communication.
- Ability to zoom the waveform for any of the decoded data allows engineers to note analog characteristics of the waveform.
- The detailed view overlays the binary data on the waveform for selected UART/RS232C data
- Flexibility to view the decoded data in hex, binary, decimal and ASCII format.
- Search function helps in quickly locating the specific data in thousands of decoded UART/RS232C messages.
- Time stamp with reference to trigger position allows engineers know the timing of data from the trigger position.
- Offline analysis with the Ref waveforms, .wfm (Tektronix oscilloscope's internal waveform file format) and .csv files
- Capability to save the decoded messages in CSV format.

## Ordering Information

PDU-R UART/RS232C Protocol Decode Software  
Includes: CD with Software.

## Oscilloscopes Supported

Tektronix Oscilloscope

- DPO7000 series
- DPO/DSA70000 series
- DPO5000 series

