

Ellisys USB 2.0 Protocol Analyzer

Ellisys USB Explorer 260 Analyzer - Features chart

Ellisys USB Explorer 260 Analyzer	Features
Availability	
Release date	Nov. 2007
Availability	From stock
Specification	
USB 1.1	yes
USB 2.0	yes
USB OTG	yes
Interchip USB (with flying probe)	yes
Link analysis	
Automatic speed discovery	yes
Low speed (1.5 Mbit/s)	yes
Full speed (12 Mbit/s)	yes
High speed (480 Mbit/s)	yes
Recording	
Real-time monitoring	yes
Hard-disk streaming support	yes
Circular buffer	yes
Recording limits	yes
Recording and analysis of packets and electrical states	yes
Unlimited trace size with real-time download	yes
Timestamp precision	16.66 ns
On-The-Go	
OTG Descriptor	yes
OTG Requests	yes
User Interface	
A well designed user interface accelerates day to day tasks	
Global view	yes
Detailed view	yes

Packets layer	yes
Transactions layer	yes
Transfers layer	yes
Rarely used fields hidden by default	yes
Decoded textual values	yes
Decimal values	yes
Hexadecimal values	yes
Binary values	yes
Consecutive SOFs grouping	yes
Consecutive NAKs grouping	yes
Descriptors decoding	yes
Standard requests decoding	yes
Detection of errors in descriptors	yes
Real-time monitor	
Displays performance, error rate and other link information while capturing	
Performance counters	yes
Performance graphs	yes
Errors indication	yes
Frame composition display	yes
Capture filters	
Reduce the amount of non-pertinent trace information	
Start of Frames filtering	yes
NAK transactions filtering	yes
Partial payload filtering	yes
Filter transactions based on device address	yes
Filter transactions based on endpoint number	yes
Advanced filters based on token, data or handshake	yes
Post-capture Filters	
Reduce the amount of non-pertinent information on screen	
Start of Frames filter	yes
NAK transactions filter	yes
Split transactions filter	yes
Bus states filter	yes
Instant filters (filters based on custom textual criteria)	yes
Wrongly-connected devices filter	yes

Search	
Find out protocol items against any kind of complex criteria	
Packets, transactions, transfers, bus states and trigger events	yes
Transactions and split transactions	yes
Raw data and payload with masks	yes
Setup requests	yes
Columns strings	yes
Protocol errors	yes
Protocol Items Statistics	
Quick overview of the traffic type, the error rate, etc	
Bus states summary	yes
Packets summary	yes
Transactions summary	yes
Split transactions summary	yes
Setup Transfers summary	yes
Errors summary	yes
Summary on all traces elements	yes
Summary on filtered trace elements	yes
Navigation through summary elements	yes
Export capability to text, CSV or XML files	yes
Data Export	
Export the trace to many formats for post-processing, etc.	
Text format	yes
XML format	yes
Binary format	yes
Traffic	yes
Transactions data	yes
Transfers data	yes
Setup transfers	yes
Descriptors	yes
Generator Script	yes
USB Classes Decoding (more...)	
Hub	yes
Mass Storage	yes
Wire Adapter	yes

Audio	yes
Human Interface Device	yes
Bluetooth® HCI	yes
Still Image	yes
Communication	yes
DFU	yes
Diagnostic Device	yes
Wireless Controller	yes
Smart Card	yes
Video	yes
Vendor Specific decoding	yes
WUSB Wire Adapter	yes
Test & Measurement	yes
Media Transfer Protocol	yes
Automatization	
Ability to create software for specific tasks	
Software Development Kit for C++ (more...)	yes
Hardware Trigger	
External IN or OUT	yes
Frame Packets	yes
Splits Packets	yes
Tokens Packets	yes
Data Packets	yes
Data Pattern	yes
Handshake Packets	yes
Bus Conditions	yes
Trigger Conditions	yes
Error Conditions	yes
Events Counting	yes
Events Sequencing	yes
Future proof	
How the hardware and software can evolve	
PHY can be upgraded for future specifications changes	yes
Hardware can be upgraded for future specifications changes	yes
Software designed to support upcoming protocols	yes

Support	
Technical support and software upgrades	
Software upgrades	Free lifetime
Technical support	First class
Software and traces can be shared between developers	yes
Hardware	
Non intrusive analysis	yes
Embedded memory	FIFO 1 GBytes
Data download during recording to optimize memory usage	yes
Download of data at High-speed USB 2.0 (480 Mbit/s)	yes
External trigger	yes
Upgradable hardware	yes
Powered by the USB bus	yes
Warranty	2 years
Download of analyzed data	
High speed (480 Mbit/s)	yes
Full speed (12 Mbit/s)	yes
Enclosure	
Width	150 mm
Length	120 mm
Height	65 mm
Weight	950 g