


USB Explorer 200 - Comparison chart

				
		USB Explorer 200 Basic	USB Explorer 200 Standard	USB Explorer 200 Professional
Specification				
USB 1.1		yes	yes	yes
USB 2.0		yes	yes	yes
USB OTG			yes	yes
Link analysis				
Automatic speed discovery		yes	yes	yes
Low speed (1.5 Mbit/s)		yes	yes	yes
Full speed (12 Mbit/s)		yes	yes	yes
High speed (480 Mbit/s)		yes	yes	yes
Recording				
Real-time monitoring		yes	yes	yes
Hard-disk streaming support		yes	yes	yes
Circular buffer		yes	yes	yes
Recording limits		yes	yes	yes
Recording and analysis of packets and electrical states		yes	yes	yes
Unlimited trace size with real-time download		yes	yes	yes
Timestamp precision		16.66 ns	16.66 ns	16.66 ns
User Interface				
Global view		yes	yes	yes
Detailed view		yes	yes	yes
Packets layer		yes	yes	yes
Transactions layer		yes	yes	yes
Transfers layer		yes	yes	yes
Rarely used fields hidden by default		yes	yes	yes
Decoded textual values		yes	yes	yes
Decimal values		yes	yes	yes
Hexadecimal values		yes	yes	yes
Binary values		yes	yes	yes
Consecutive SOFs grouping		yes	yes	yes
Consecutive NAKs grouping		yes	yes	yes
Descriptors decoding		yes	yes	yes
Standard requests decoding		yes	yes	yes
Detection of errors in descriptors		yes	yes	yes
On-The-Go				
OTG Descriptor			yes	yes
OTG Requests			yes	yes
Real-time monitor				
Performance counters			yes	yes
Performance graphs			yes	yes

Errors indication			yes	yes
Frame composition display			yes	yes
Traffic summary				
Bus states summary			yes	yes
Packets summary			yes	yes
Transactions summary			yes	yes
Split transactions summary			yes	yes
Setup Transfers summary			yes	yes
Errors summary			yes	yes
Summary on all traces elements			yes	yes
Summary on filtered trace elements			yes	yes
Navigation through summary elements			yes	yes
Export capability to text, CSV or XML files			yes	yes
Capture filtering				
Start of Frames filtering			yes	yes
NAK transactions filtering			yes	yes
Partial payload filtering			yes	yes
Filter transactions based on device address			yes	yes
Filter transactions based on endpoint number			yes	yes
Advanced filters based on token, data or handshake			yes	yes
Post-capture filtering				
Start of Frames filter		yes	yes	yes
NAK transactions filter		yes	yes	yes
Split transactions filter		yes	yes	yes
Bus states filter		yes	yes	yes
Instant filters		yes	yes	yes
Search				
Transactions		yes	yes	yes
Split transactions		yes	yes	yes
Data with mask		yes	yes	yes
Requests with mask		yes	yes	yes
Strings		yes	yes	yes
Errors		yes	yes	yes
Export (more...)				
Text format		yes	yes	yes
XML format		yes	yes	yes
Binary format		yes	yes	yes
Traffic		yes	yes	yes
Endpoints data		yes	yes	yes
Requests		yes	yes	yes
Descriptors		yes	yes	yes
USB Classes Decoding (more...)				
Hub			full	full
Mass Storage			descriptors	full
Wire Adapter			descriptors	full
Audio			descriptors	full
Human Interface Device			descriptors	full
Bluetooth® HCI			descriptors	full

Still Image			descriptors	full
Communication			descriptors	full
DFU			descriptors	full
Diagnostic Device			descriptors	full
Wireless Controller			descriptors	full
Smart Card			descriptors	full
Video			descriptors	full
Vendor Specific			descriptors	full
WUSB Wire Adapter			descriptors	full
Test & Measurement			descriptors	full
Software Development Kit (more...)				
C++ version				yes
Hardware Trigger (more...)				
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
Hardware				
Non-intrusive analysis		yes	yes	yes
Memory		32 MBytes FIFO	32 MBytes FIFO	32 MBytes FIFO
External trigger connector		yes	yes	yes
Upgradable hardware		yes	yes	yes
Powered by the USB bus		yes	yes	yes
Warranty		2 years	2 years	2 years
Download of analyzed data				
High speed (480 Mbit/s)		yes	yes	yes
Full speed (12 Mbit/s)		yes	yes	yes
Enclosure				
Width		150 mm	150 mm	150 mm
Length		120 mm	120 mm	120 mm
Height		65 mm	65 mm	65 mm
Weight		750 g	750 g	750 g