FEATURE'S JEBINE.		Her Jee Jee Jee Jee Jee Jee Jee Jee Jee J			rainer				
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aTU	BTIBL	peer pare	Peer BMOD	ed Biras	en USB Clas	er Advisor	niet Pi	Chief	
/ 460	USLHIN	US, Hi.	JSF 5PE	12 Cla	12 Cla	AO.	CH.	CH.	
Specifications S USB OTG	Supported Yes	Yes	Yes	Yes	Yes	No	No	No	
Supplement USB 2.0	Yes	Yes	Yes	Yes ¹	Yes ¹	Yes	Yes ¹	Yes	
USB 1.1 Recording Spee	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
High Speed	Yes	Yes	Yes	No	No	Yes	Yes	No	
(480 Mb/s) Full Speed						Yes		Yes	
(12 Mb/s) Low Speed	Yes	Yes	Yes	Yes	Yes		Yes		
(1.5 Mb/s) Traffic Generati	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic	Yes	No	No	Yes	No	No	Yes	No	
Generation Slow clock by			-						
25%/50%/75%	Yes ⁹	n/a	n/a	Yes 9	n/a	n/a	no	n/a	
User definable slow clock	Yes ⁹	n/a	n/a	Yes ⁹	n/a	n/a	no	n/a	
factor Recorded Traffic	Yes	No	No	Yes	No	No	Yes	No	
Playback					112				
User definable error	Yes	No	No	Yes	No	No	Yes	No	
generation Create	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Playback File Reserve	res	res	res	res	Yes	res	res	res	
Memory for	Yes	n/a	n/a	Yes	n/a	n/a	Yes	n/a	
Traffic Generation									
Record Self- Generated	Yes	N/A	n/a	Yes	N/A	N/A	Yes	N/A	
Traffic Record									
Real Time	v		.,	.,	V	.,	.,	,,	
Capture Filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
High Speed Packets	Yes	Yes	Yes	No	No	Yes	No	No	
Full Speed Packets	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Low Speed	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Packets Bus Conditions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
OTG:VBUS	Yes	Yes	Yes	Yes	Yes	no	no	no	
OTG: HNP OTG: SRP	Yes	Yes	Yes	Yes Yes	Yes	no	no	no	
Bus Traffic	Yes Yes	Yes Yes	Yes Yes	Yes	Yes Yes	no Yes	no Yes	no Yes	
Snapshot Save External	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Signals Truncate Data	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Adjustable Buffer Size	0.2MB to 512MB	0.4MB to 512MB	0.2MB to 64 MB	0.2MB to 512MB	0.4MB to 512MB	0.1MB to 128MB	0.1MB to 128MB	0.1MB to 128MB	
Save									
Recording Options Setup	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Trigger Manual	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
On Errors External In	Yes Yes	Yes Yes	Yes No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Event	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mask Data Pattern	Yes	Yes	Yes	Yes	Yes	Yes	8 bytes for SETUP and	8 bytes for SETUP and	
Bit-wise	Yes	Yes	Yes	Yes	Yes	Yes	DATA Yes	DATA Yes	
Adjustable	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Trigger Position	163	165	165	165	res	163	163	163	
Event Sequencing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Graphical Multi level Event	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Sequencing									
Event Counting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audiable Trigger Alert	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
External Out Filter	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
Transactions Tokens	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Splits	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
All SOF's Individual SOF	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Traffic View Multiple Views	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
of Traffic Event based	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Frame Based View									
Frame Based View Time Based View	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
Frame Based View Time Based View Device based view	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	No Yes	No Yes	
view Frame Based View Time Based View Device based view Intuitive User Interface									

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		vainetem	peed System USEMODE Yes	<u></u>	rainer				
rea Tu	offs of	ary sha	er dela	le h.	sarfrair JSB Class Yes	et ,	Chief Ph	5	,
aru	BITAL	Reel Bill	Peer BMOD	ed Birau	sic Bra	er Advisor	nief Pi	Chief	
/ 4E**	USI HIL	USLHI	JSV 5PE	JSL Cla	/JER Cla	Va.	Ch.	Chi	
Display Filters Preserved on	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
View Change	103	103	103	103	103	103	103	103	
Transaction View			.,				.,		
(Expanded/	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Collapsed) Transfer View									
(Expanded/	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Collapsed) Display									
Time Stamping	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Heirarchical	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic Display									
Delta Time	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
Idle Time	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
View Transactions	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
View Transfers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Packet Hiding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Field Hiding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
User Data	2 External Signals	Yes	Yes	2 External Signals	Yes	2 External Signals	5 External Signals	5 External Signals	
	ASCII/	ASCII/	ASCII/	ASCII/	ASCII/	ASCII/ Decimal/	ASCII/	ASCII/ Decimal/	
Data Display Formats	Decimal/ Hex/ Binary/	Decimal/ Hex/ Binary/	Decimal/ Hex/ Binary/	Decimal/ Hex/ Binary/		Decimal/ Hex/ Binary/	Decimal/ Hex/ Binary/	Hex/ Binary/	
	User Bitmap/	User Bitmap/	User Bitmap/	User Bitmap/	User Bitmap/	User Bitmap/ User Decode	User Bitmap/	User Bitmap/ User	
	OSEL DECOGE	User Decode	Oser Decode	Oser Decode	Oser Decode	Oser Decode	Oser Decode	Decode	
Error Alerts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
User Defined				Vac					
Descriptor Decoding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
User Defined Endpoint	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Decoding	res	res	res	res	res	res	res	res	
Device Class Decoding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Curtail Long	Yes	Yes	Yes	Yes	Yes	Yes ⁶	Yes ⁶	Yes ⁶	
DATA Selectable	163				165				
Field Formats	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Selectable Field Colors	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Graphical	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Display Save Display									
Options Setup	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Tool Tips	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Error cause tips	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
View Bit									
Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Stand Alone Viewer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
	Full or	Full or	Full or	Full or	Full or	Full or	Full or	Full or	
Save Function	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	
Driet Constitue	Full or	Full or	Full or	Full or	Full or	Full or	Full or	Full or	
Print Function	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	Partial Trace	
Timing Measurements	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Bus Utilization	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Calculator Packet Error									
Packet Error Summary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Transaction								Yes	
	Yes	Yes	Yes	Yes	Yes	Yes	Yes		
	Yes	Yes	Yes	Yes	Yes	Yes	Yes	163	
Traffic/									
Traffic/ Transaction Summary	Yes Yes	Yes Yes	Yes	Yes	Yes Yes	Yes Yes	Yes Yes	Yes	
Traffic/ Transaction Summary Export	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Packets Hide SOF	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	Yes Yes Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Packets Hide NAK'ed	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes Yes Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Fields Hide Fekets Hide NAK'ed Transactions Zoom Display	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Packets Hide SOF Hide INAK'ed Transactions Zoom Display Keyboard	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide SOF Hide SOF Hide SOF Hide National Transactions Zoom Display Keyboard Shortcuts	Yes	Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Poly Hide Fields Hide SOF Hide NK'ed Transactions Zoom Display Keyboard Shortcuts	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Fields Hide Fields Hide SOF Hide SOF Hide SOF Transactions Zoom Display Keyboard Shortcuts File Information Packetised 4SCII	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Packets Hide Packets Hide Packets Hide SOF Hide NAK'ed Transactions Zoom Display Keyboard Shortcuts File Information Packetised ASCII	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide Viser Defined Hide Fields Hide Fields Hide SOF Hide SOF Hide Norte Transactions Zoom Display Keyboard Shortcuts File Information Packetised ASCII Help Menu Search	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Packets Hide SOF Hide SOF Transactions Zoom Display Keyboard Shortcuts File Information Packetised ASCII User Data Deevice	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide Suer Defined Hide SoF Hide Packets Hide Packets Hide SoF Hid	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Packets Hide SOF Hide SOF Hide SOF Transactions Zoom Display Keyboard Shortcuts File Information Packetised ASCII Help Menu Search User Data Device Request Data Pattern Error	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Error Summary Traffic/ Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Defined Hide Fields Hide Packets Hide Vac Hide SOF Hide NAK'ed Transactions Zoorn Display Keyboard Shortcuts File Information Packetised ASCII User Data Device Request Doata Pattern Error Data Length Frame	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes Yes Yes Yes Yes Yes Yes Yes	
Traffic/ Transaction Transaction Summary Export Traffic/DATA to Text Pop-Up Menus Hide User Defined Hide Packets Hide SOF Hide SOF Hide SOF Transactions Zoom Display Keyboard Shortcuts File Information Packetised ASCII Help Menu Search User Data Device Request Data Pattern Error	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

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	15	recept districted system with the first of t			arlie /	et /	Chief Plus Chief		
71	RIV	0660 1/8r	Deed Mob	nd 1180	sic Trai	sic isor	ofPI		
FEATU	USBHIS	N USB HIS	158 Spe	JSB class	arfrair ssic USB Trac	er seic Advisor	Chile	Chief	
FID	Yes	Yes	Yes	Yes			Yes	Yes	
Trigger Marker	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	
Packet #	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Physical Comp	OTG/	OTG/	OTG/						
Primary	480Mbps/	480Mbps/	480Mbps/	OTG/	OTG/	480Mbps/	12Mbps/	12Mbps/	
Recording Channel	12Mbps/	12Mbps/	12Mbps/	12Mbps/ 1.5Mbps	12Mbps/ 1.5Mbps	12Mbps/ 1.5Mbps	1.5Mbps	1.5Mbps	
	1.5Mbps OTG/	1.5Mbps OTG/	1.5Mbps						
Secondary Recording	480Mbps/	480Mbps/	n/a	OTG/ 12Mbps/	OTG/ 12Mbps/	12Mbps/	12Mbps/	12Mbps/	
Channel	12Mbps/ 1.5Mbps	12Mbps/ 1.5Mbps	11/4	1.5Mbps	1.5Mbps	1.5Mbps	1.5Mbps	1.5Mbps	
Device Detach	No No	No.	No	No	No	Yes	Yes	Yes	
Switch External Clock									
Input	No	No	No	No	No	Yes	Yes	Yes	
Access to Device Current	Option ⁷	Option ⁷	No	Option ⁷	Option ⁷	Option ⁷	Yes	Yes	
Access to D+ / D- Signals	Option ⁷	Option ⁷	No	Option ⁷	Option ⁷	Option ⁷	Yes	Yes	
Breakout Board	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
Connection to	USB 2.0	USB 2.0	PMCIA	USB 2.0	USB 2.0	USB	USB	USB	
Test Setup Memory Size	(Hi-Speed) 512MB	(Hi-Speed) 512MB	64MB	(Hi-Speed) 512MB	(Hi-Speed) 512MB	128MB	128MB	128MB	
	High	High	High	High	High	High	High	High	
Bus Connection	Impedance, Non	Impedance, Non	Impedance, Non	Impedance, Non	Impedance, Non	Impedance, Non	Impedance, Non	Impedance, Non	
Connection	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	
Inrush Current measurement	Option ⁷	Option ⁷	Option7	Option ⁷	Option ⁷	Option ⁷	Option	Option	
Startup Current		-							
measurement	Option ⁷	Option ⁷	Option7	Option ⁷	Option ⁷	Option ⁷	Option	Option	
Active Current measurement	Option ⁷	Option ⁷	Option7	Option ⁷	Option ⁷	Option ⁷	Option	Option	
Suspend Current	Option ⁷	Option ⁷	Option7	Option ⁷	Option ⁷	Option ⁷	Option	Option	
measurement	Орион	Option	Option	Option	Орион	Орион	Option	Option	
Voltage Drop Measurement	Option ⁷	Option ⁷	Option7	Option ⁷	Option ⁷	Option ⁷	Option	Option	
Voltage Droop	Option ⁷	Ontion ⁷	Option7	Ontion ⁷	Option ⁷	Option ⁷	Option	Option	
measurement EYE'	Option	Option'	Орион	Option'	Option	Option	Орион	Option	
measurement support	Option ⁸	No	No	Option ⁸	No	No	Option	No	
Logic Analyzer	Through	Through		Through	Through	Through	Through	Through	
Connection	Breakout Board	Breakout Board	n/a	Breakout Board	Breakout Board	Breakout Board	Breakout Board	Breakout Board	
General	Doard	Doard		Doard	Doard	Doard	Doard	Doard	
	Classic,	Classic,	USBTracer/	A d. d	A				
	Advisor,	Advisor,	Trainer, Advisor,	Advisor, Chief,	Advisor, Chief,	Chief,	Detective &	Detective &	
Compatibility	Chief, Detective &	Chief, Detective &	Chief,	Detective &	Detective &	Detective & Inspector	Inspector	Inspector	
	Inspector	Inspector	Detective &	Inspector	Inspector	Trace Files	Trace Files	Trace Files	
	Trace Files	Trace Files	Inspector Trace Files	Trace Files	Trace Files				
Hardware Field Upgradable	Yes	Yes	No	Yes	Yes	No	No	Yes	
Software	Via website	Via website	Via website	Via website	Via website	Via website	Via website	Via website	
Upgrades Modules for									
Other buses Available	Yes	Yes	No	Yes	Yes	No	No	No	
	Win98SE	Win98SE	Win98SE	Win98SE	Win98SE	Win98SE	Win95	Win95	
Operating	Win2000	Win2000	Win2000	Win2000	Win2000	Win2000 WinNT	(OSR 2.1) Win98	(OSR 2.1) Win98	
Systems	WinME	WinME	WinME	WinME	WinME	WinME	Win2000	Win2000	
	WinXP	WinXP	WinXP	WinXP	WinXP	WinXP	WinNT	WinNT	
Customer Support	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	Hotline 800 Number	
Warranty	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	3 Years	
1 Supports the 2		hut ie reetricted			cording				

- Supports the 2.0 specification but is restricted to recording classic speeds recording
 Stand alone traffic generator is available separately for use with the Detective or Inspector.
 Connection speed must be specified in Recording Options for a low-speed branch with the Detective or Inspector.
- 4. User data captured with the Inspector is not retained when converted to the Chief viewer format.
 5. All error alerts are available when using the USB Trace viewer for Detective or Inspector files. Only Bus Condition error alerts are
 6. Individual DATA fields or all DATA fields can be curtailed with the Chief, Chief Plus or Advisor.
 7. Parametric Probe Option
 8. Parametric probe and test pattern generation combination
 9. May require Hi-Speed Slow clock option