eEver 鈺群科技
eEver Technology, Inc.

USBC PD Sniffer 2

VX2023

USB Power Delivery Protocol

Decode PD 2.0 / PD 3.2 message, including power negotiating, control / data / extend messages, DisplayPort / HDMI alternate mode messages, PD3 extented messages .... etc.

689	00:02:11.324.685	634	1	sop	Source	DFP	Source_Capabilities
690	00:02:11.325.444	500	1	sop	Sink	UFP	GoodCRC
691	00:02:11.326.078	630	1	sop	Sink	UFP	Request
692	00:02:11.326.774	500	1	sop	Source	DFP	GoodCRC
693	00:02:11.327.338	497	1	sop	Source	DFP	Accept
694	00:02:11.327.961	496	1	sop	Sink	UFP	GoodCRC
695	00:02:11.328.525	500	1	sop	Source	DFP	PS_RDY
696	00:02:11.329.144	500	1	sop	Sink	UFP	GoodCRC
697	00:02:11.384.821	630	1	sop	Source	DFP	VDM- Discover Identity
698	00:02:11.385.573	496	1	sop	Sink	UFP	GoodCRC
699	00:02:11.386.273	1166	1	sop	Sink	UFP	VDM- Discover Identity
700	00:02:11.387.503	497	1	sop	Source	DFP	GoodCRC

DisplayPort Auxiliary Channel

Decode DP sideband standard AUX messages, including native AUX transactions, I2C-over-AUX transactions and EDID information.

275	00:00:04.844.596	67	Request	I2C	Read (MOT=1) -
276	00:00:04.844.717	171	Reply	I2C	AUX_ACK - I2C_
277	00:00:04.844.905	58	Request	I2C	Read - 00050
278	00:00:04.845.252	43	Reply	I2C	AUX_DEFER
279	00:00:04.845.303	58	Request	I2C	Read - 00050
280	00:00:04.845.391	42	Reply	I2C	AUX_ACK - I2C_
281	00:00:04.845.502	66	Request	Native	Read - 00200 - (
282	00:00:04.845.630	51	Reply	Native	AUX_ACK - 01
283	00:00:04.845.712	66	Request	Native	Read - 68028 - (
284	00:00:04.845.796	51	Reply	Native	AUX_ACK - 00

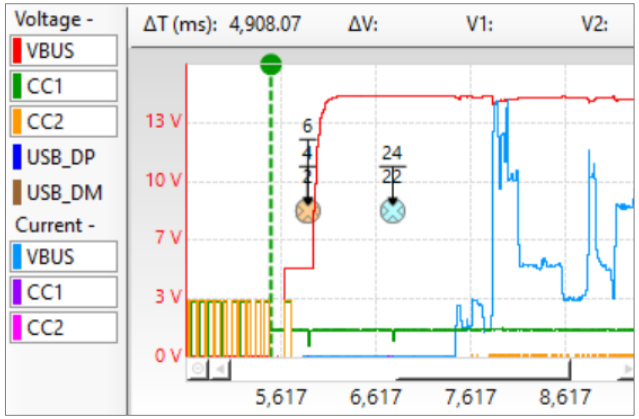
USB Power Delivery 3.2 - 48V, 240W

The PD Sniffer is a convenient facility for debugging USB Type-C PD products. It monitors Type-C CC1 / CC2 / VBUS voltage and current, and analyzes Power Delivery packets and sideband channel messages.

VBUS Voltage / Current Monitor

Monitor VBUS / CC1 / CC2 / USB DP DM voltage and VBUS / CC1 / CC2 current. High-accuracy sensing and real-time update chart series.

Visual Data Measurement



USB4 Sideband Channel

Decode USB4 Sideband transactions including Link Type, Extended Link Type, Administrative Type and Re-timer Type.

324	00:00:18.906.257	93	1	RT	Cmd	Read - 0D - 04
325	00:00:18.906.941	132	2	RT	Rsp	Read - 0D - 04 -
326	00:00:18.910.174	88	2	RT	Cmd	Read - 0D - 04
327	00:00:18.910.333	141	1	RT	Rsp	Read - 0D - 04 -
328	00:00:57.664.125	34	1	LT		Lane 0 : LT_LRoff
329	00:00:57.664.727	32	2	LT		Lane 0 : LT_LRoff
330	00:00:58.091.262	88	2	AT	Cmd	Read - 0C - 03
331	00:00:58.113.510	94	1	AT	Cmd	Read - 0C - 03
332	00:00:58.113.997	121	2	AT	Rsp	Read - 0C - 03 - (

eEver Technology Inc.
10F, No. 22, Lane 35, Jihu Rd., Neihu District, Taipei City, Taiwan 11492
TEL: 886-2-8751-3801

more information at - www.eevertech.com
contact us - sniffer.support@eevertech.com