

PGY-UFS4.0-PA, UFS Protocol Analyzer is the industry first working and tested UFS4.0 Protocol Analyzer. It offers protocol data capture and debug of data across MPHY, UniPro and UFS protocol layers. It allows for instantaneous decoding of UFS, UniPro and MPHY layers with flexibility to correlate decoded data across these protocol layers. PGY-UFS4.0-PA supports PWMG1 to HSG5B data rates and two TX, two RX lane decode. The active probe has minimum electrical loading on device under test (DUT) and captures protocol data without affecting the performance of DUT. PGY-UFS4.0-PA Protocol Analyzer support two lane data. Comprehensive on the fly decoding of UniPro & UFS data enables validation of communication between UFS host and device.

PGY-UFS4.0-PA Protocol Analyzer allows Design and Test Engineers to obtain deep insight into UFS host and device communication. MPHY/UniPRO/UFS packet-based triggering allows specific protocol data capture and analysis. PGY-UFS Protocol analyzer instantaneously provides decoding of UFS, UniPro and MPHY layers with a correlation to MPHY, UniPro and UFS layers.

Solder down active probes allows probing the MPHY test points. This allows the design and test engineers to capture UFS traffic between the host and UFS memory with high signal fidelity. Today's test engineers need to test the use case scenarios in their labs that mimic real-life use cases. The PGY-UFS4.0-PA, UFS Protocol Analyzer has been designed to enable engineers to closely monitor and analyze the traffic between the host and the device while executing the various use case scenarios.

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ct	Acquire Sto	p Acq Stop Trans	fer Stop Reset	UPRO_Mkr Δt1 M0	M1	= 170.2375ms	Δt2 M0 ~	M1	~ = 170.2375m	15	UFS_Mkr Time	∆t1 P0	~ P1	= 348.	5025ms At2	PO	~ P1	~ =
	1		tics View PacpV	and the second se	riggerVi	-								Symbols\	iew_HOST	Search	/iew	
	Index	Timestamp	Host	Device	Gear	Task Tag	Total EHS Ler	ngth	Segment Lengt	h Data	Offset I	UN Sta	tus	Index	K\D Code	8 Bit	Lane	Gear
	8	531.9985ms		RESPONSE	HS_G5B	03	00		0000			01 God	d 🖌		D3.1	0x23	Tx	HS_G5B
	9	648.9097ms	WRITE_10		HS_G5B	04	00		0000			91		863	D3.1	0x23	Tx	HS_G5B
9	10	673.8643ms		READY TO TRANSFER	HS G5B	04	00		0000			91		864	D3.1	0x23 0x23	Tx	HS_G5B HS_G5B
	11	702.2748ms	DATA_OUT		HS_G5B	2	00	-	1000	00000	000	91		865	D3.1 D3.1	0x23	Tx Tx	HS_G5B
	12	702.2782ms	DATA_001	RESPONSE				_		00000		1 God			D3.1	0x23	Tx	HS G5B
	19972		0540 40	RESPONSE	HS_G5B		00		0000				-	868	D3.1	0x23	Tx	HS_G5B
	13	777.6731ms	READ_10		HS_G5B		00		0000			91		869	D3.1	0x23	Tx	HS_G5B
	14	827.1691ms		DATA_IN	HS_G5B		00		1000	00000		91		870	D3.1	0x23	Tx	HS_G5B
	15	827.1709ms		RESPONSE	HS_G5B	05	00		0000			01 Goo	d	871	D3.1 D3.1	0x23 0x23	Tx Tx	HS_G5B HS_G5B
	16	944.0402ms	WRITE_10		HS_G5B	06	00		0000					873	03.1	0x23	Tx	HS_G5B
	17	968.9898ms		READY_TO_TRANSFER	HS G5B	06	00		0000	15		91		874	K28.5	ØxBC	Tx	HS_G5B
	18	997.4088ms	DATA_OUT		HS_G5B	2	00	-	1000	00000		91	-	875	D7.1	0x27	Tx	HS_G5B
	19	997.4122ms	SHIT COUL	RESPONSE	HS G58		00	_	0000	00000		01 Goo	4	876	D5.1	0x25	Tx	HS_G5B
	1202		READ 10	NEBRUNDE		and a Third and								877	D30.4	0x9E	Tx	HS_G5B
	20	1.072827s	READ_10		HS_G5B	07	00		0000			91		878	K28.5	OXDC	1.8	HS_G5B
ProVi	ew													Symbol s	iew_DEVICE			
	Index	Timestamp	Host	Device	Gear	DestDeviceID	DortCRontID	E OM	Frame Seq Cr	edit Val	ue CRC		-	Index	K\D Code	-	Lane	Gear
	1381	997.4094ms	DL DATA	Device	HS G58	2010 (1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	00	1.0	09	COLC VOI	ue cre			3028	D0.0	0x00	Rx	HS_G5B
			DE_DATA	DL AFC		01	00	00						3029	D0.0	0x00	Rx	HS_G5B
	1382 1383	997.4094ms 997.4096ms		DL_AFC	HS_G5B HS_G5B				07 9E 08 A4					3030	D0.0	0x00	Rx	HS_G5B
				DL_AFC										3031	D0.0	0x00	Rx	HS_G5B
	1384	997.4096ms	DL_DATA		HS_G5B	DI	00	68	ØA					3032	D0.0	0x00	Rx	HS_G5B
				DL_AFC	HS_G5B				09 AC					3033	D0.0	0x00	Rx	HS_G5B
	1385	997.4098ms												3034	K28.5	ØxBC	Rx	HS_G5B HS_G5B
		997.4098ms 997.4099ms	DL_DATA		HS_G5B	01	00	00	ØB									
	1385		DL_DATA	DL_AFC	HS_G5B HS_G5B	01	00	00	0B 0A B5	;			_	3035		0x27	Rx	
	1385 1386	997.4099ms		DL_AFC	HS_G5B		00		0A 85	;			_	3035	D5.3	0x65 0x7A	Rx Rx Rx	HS_G5B
	1385 1386 1387 1388	997.4099ms 997.41ms 997.4101ms	DL_DATA		HS_G5B HS_G5B	01			0A 85 0C					3036		0x65	Rx	
	1385 1386 1387 1388 1388 1389	997.4099ms 997.41ms 997.4101ms 997.4102ms	DL_DATA	DL_AFC DL_AFC	HS_G5B HS_G5B HS_G5B	01	00	00	0A 85 0C 80 0B 80					3036 3037 3038 3039	D5.3 D26.3 K28.5 D3.6	0x65 0x7A 0xBC 0xC3	Rx Rx Rx Rx Rx	HS_G5B HS_G5B HS_G5B HS_G5B
	1385 1386 1387 1388 1389 1390	997.4099ms 997.41ms 997.4101ms 997.4102ms 997.4103ms		DL_AFC	HS_G5B HS_G5B HS_G5B HS_G5B	01		00	ØA B5 ØC ØB ØB BD OD ØB)				3036 3037 3038 3039 3040	D5.3 D26.3 K28.5 D3.6 D23.1	0x65 0x7A 0xBC 0xC3 0x37	Rx Rx Rx Rx Rx Rx	HS_G58 HS_G58 HS_G58 HS_G58 HS_G58
	1385 1386 1387 1388 1389 1390 1391	997.4099ms 997.41ms 997.4101ms 997.4102ms 997.4103ms 997.4103ms 997.4105ms	DL_DATA		HS_G5B HS_G5B HS_G5B HS_G5B HS_G5B	01	00	00 00	0A B5 0C 0 0B BE 0D 0 0C C)				3036 3037 3038 3039 3040 3041	D5.3 D26.3 K28.5 D3.6 D23.1 D18.4	0x65 0x7A 0xBC 0xC3 0x37 0x92	Rx Rx Rx Rx Rx Rx Rx	HS_G58 HS_G58 HS_G58 HS_G58 HS_G58 HS_G58
	1385 1386 1387 1388 1389 1390	997.4099ms 997.41ms 997.4101ms 997.4102ms 997.4103ms	DL_DATA	DL_AFC	HS_G5B HS_G5B HS_G5B HS_G5B	01	00	00 00	ØA B5 ØC ØB ØB BD OD ØB)				3036 3037 3038 3039 3040	D5.3 D26.3 K28.5 D3.6 D23.1	0x65 0x7A 0xBC 0xC3 0x37	Rx Rx Rx Rx Rx Rx	HS_G58 HS_G58 HS_G58 HS_G58 HS_G58





Windows based protocol analysis software provides industry best protocol correlation between UFS to UniPro and MPHY layers. Time correlation between the different protocol layers significantly reduces debug time of designs. Floating window design of this software allows engineers to view UFS view, UniPro view and MPHY view on different computer monitors and automatically correlate the UFS packets to MPHY layer. This makes analysis very easy while analyzing the gigabytes of Protocol information.

Key Features

- Supports version MPHY 5.0, UniPro 2.0 and UFS v2.1/3.1/4.0
- Supports PWM G1 to G7 and HS G1, 2, 3, 4, 5 Rate A and B Series
- Supports one/two data lanes (2 TX and 2 RX)
- Flexibility to capture very large data using continuous streaming of Protocol data to host computer with 16GB Internal acquisition memory field upgradable up to 64GB.
- ♦ Hardware based resizable circular buffer with pre/post trigger.
- ✤ Flexibility to decode selected data from 16GB buffer.
- Solder down active probe provide high signal fidelity.
- Decoding at MPHY, UniPro and UFS layers.
- Trigger based on MPHY, UniPro and UFS layers packet content.
- Trigger out signal at trigger event allows the triggering of other instruments such as oscilloscope.
- Interface to host system using USB 3.0.
- Flexibility to upgrade the hardware firmware using GbE interface provides easy field up gradation of FPGA firmware.
- Decoded data packets can be exported to txt file for further analysis.
- Light weight and can be deployed for on-site/ field tests.





Test Setup



PGY-UFS4.0-PA UFS Protocol Analyzer interfaces to solder down probe tips using mSMP flexi coax cables. The active probe tips are powered by power module which is powered by PGY-UFS4.0-PA. Protocol Analyzer is interfaced to host computer using USB3.0 interface. High-speed host connectivity and 16GB buffer enables continuous streaming of protocol data to host SSD and storage for longer period of time. Software offers multi-view such as MPHY view, UniPro view and UFS View. Each view lists the respective protocol packets and its details with correlation of each layer for easy debug. Lightweight Analyzer is easy to carry during field visit.

Burst Speed Deter	ction Sync Wait Tim	e Host	Device	
) Sync Speed	Host 10	Wide Band Gain 7 🗸	CTLE MANUAL V Wide Band C	Sain <mark>0 ∨</mark>
cquisition/Error		DFE Gain MANUAL V DFEGain CFG 31 V	DFE Gain MANUAL V DFEGain CFG	3 31 V
Analyze	Hardware Filters	Buffer Type	CRC Error Count	
Live Decode	AFC	Continuous/8GB	DLData	
Post Capture	DLData Payload Dro	CIrcular (h/w) Butter Size	AFC	
		PreTrigger	MB	

Prodigy



UFS Protocol Layer

JFSView														*1
	Index	Timestamp	Host			Task Tag	Total EHS Length	Segment Length	Data Offset		Logical Block Adc	Device Inf		Response
	7809	17.45788104s	READ_10		HS_G4B	03	00	0000		00001000	005E28B6		0001	
	7810	17.457897816s		DATA_IN	HS_G4B	00	00	1000	00000000					
	7811	17.4578996325		RESPONSE	HS_G4B	90	00	0000				00		Success (00
	7812	17.4579137125		DATA_IN	HS_G4B	02	00	1000	00000000					
	7813	17.457915536s		RESPONSE	HS_G4B	02	00	0000				00		Success (00
	7814	17.457919936s	READ_10		HS_G4B	01	00	0000		00001000	005E5872		0001	
1	7815	17.4579374325		DATA_IN	HS_G4B	03	00	1000	00000000					
	7816	17.457938208s	READ_10		HS_G4B	00	00	0000		00001000	005DDF2E		0001	
	7817	17.457939264s		RESPONSE	HS_G4B	03	00	0000		1		90	1	Success (00
	7818	17.457974088s	READ_10		HS_G4B	02	99	0000		00001000	005E707A		0001	
	7819	17.457979848s		DATA_IN	HS_G4B	01	00	1000	00000000					
	7820	17.457980872s	deres	RESPONSE	HS_G4B	01	00	0000				00	leres	Success (00
	7821	17.457981648s	READ_10		HS_G4B	03	00	0000		00001000	005E2517		0001	
	7822	17.4579949845		DATA_IN	HS_G4B	90	00	1000	00000000					
	7823	17.457996808s		RESPONSE	HS_G4B	00	00	0000		litere et al		00		Success (00
	7824	17.458019368s	READ_10		HS_G4B	01	00	0000		00001000	005E5B7C		0001	
	7825	17.458031576s		DATA_IN	HS_G4B	02	00	1000	00000000					
	7826	17.458031672s	READ_10		HS_G4B	00	00	0000		00001000	005DAD56		0001	
	7827	17.4580334s		RESPONSE	HS_G4B	02	00	0000				00		Success (00
	7828	17.458037632s		DATA_IN	HS_G48	03	00	1000	00000000					
	7829	17.458039448s		RESPONSE	HS_G4B	03	00	0000		for the second second		00	1	Success (00
	7830	17.458073704s	READ_10		HS_G4B	02	00	0000		00001000	005E8D79		0001	
	7831	17.458076264s		DATA_IN	HS_G4B	01	00	1000	00000000					
	7832	17.4580780885		RESPONSE	HS_G4B	01	00	0000				00		Success (00
	7833	17.458083496s	READ_10		HS_G4B	03	00	0000		00001000	005E0192		0001	
	7834	17.458087656s		DATA_IN	HS_G4B	90	00	1000	00000000					
	7835	17.45808948s		RESPONSE	HS_G4B	00	00	0000	-	1		00	i and	Success (00
	7836	17.458116096s	READ_10		HS_G4B	01	00	0000		00001000	005E52A4		0001	
	7837	17.458127792s	READ_10		HS_G48	90	00	0000		00001000	00508026		0001	
	7838	17.4581304s		DATA_IN	HS_G48	02	80	1600	00000000					
	7839	17.458132224s	T	RESPONSE	HS_G4B	02	00	6969	a second			00		Success (00
	7840	17.458140168s		DATA_IN	HS_G4B	03	00	1000	00000000					
	7841	17.4581419925		RESPONSE	HS_G4B	03	00	0000				00		Success (00
	7842	17.4581702725	READ_10	1	HS_G4B	02	00	0000		00001000	005E7F40		0001	

PGY-UFS4.0-PA Software can display each UFS packet parameters in a listing window. Right click lists all the packet parameter for user selection. User can color code the fonts or background color for easy identification for each UFS packet.

PACP And Unipro View

Setup Vie	w Trigger Analy	tics Rep																			
Acquire S	Stop Acq Stop Trans	sfer Stop	Reset 📮	UPRO_Mkr Time	∆t1 M0	~ M1	~ = 21.9	2µs	Δt2 M0	~ M1	~ = 21.9	92µs		UFS_Mkr Time	PO ~ P1	~ =	61.568µs	Δt2 P0	~ P1	~ =	
tion View	DeviceConfigVie		iew PacpVi	_		iew Repo	rt View	Tri	ggerView	Color Se	ttings					÷	SymbolsV	iew_HOST	Search	/iew	
Index	Timestamp Di	irection	Descriptio	n Gear	Tx Gea	Tx Lane	Tx Mode	Rx G	iear Rx Lar	ne Rx Moo	de Flag	s CRC	MIBattr	ibut MIBvalu	Je LineRe:	set S	Index	K\D Code	8 Bit	Lane	Gear
18	14.904759368s H	D	PACP_PWR_re	g HS_G18	01	02	03	01	02	03	ØB	1			00	6	774	D31.7	ØxFF	Tx	HS_G4
19	14.904763112s H ·	D	PACP_PWR_cr	f HS_G18	01	02	03	01	02	03	ØB				00	e	775	D31.7	ØxFF	Tx	HS_G4
20	14.9069222s H	D	PACP GET P	g HS_G18				1		1			009F				776	D31.7	ØxFF	Tx	HS_G4
21	14.906926152s H	D	PACP_GET_cr	f HS_G18				1	1			1		0000007	F		777	D31.7	ØxFF	Tx	HS_G4
22	14.907325288s H		PACP_PWR_re			02	01	64	02	01	18	1			00	e	778	D31.7 D31.7	0xFF 0xFF	Tx Tx	HS_G4
23	14.907329088s H		PACP_PWR_cr			02	01	84	02	01	18				00	e		D31.7	ØxFF	Tx	HS_G4
24	14.957373936s H	D	PACP_PWR_re			02	03	04	02	03	ØB	1			00	e	781	D31.7	ØxFF	Tx	HS_G4
	14.957374264s H		PACP_PWR_cr			02	03	84	02	03	ØB	1			00	e	782	D31.7	ØxFF	Tx	HS_G4
26	14.958731352s H		PACP_PWR_re			02	03	84	02	03	ØB	-	-		00	e	783	D31.7	ØxFF	Tx	HS_G4
27	14.958731672s H		PACP PWR cr			02	03	04	02	03	ØB	-			00	e	784	D31.7	ØxFF	Тx	HS_G4
	15.082728184s H		PACP_PWR_re			02	03	04	02	03	ØB	+	1		66	e	785	D31.7	ØxFF	Тx	HS_G4
	15.082728464s H		PACP_PWR_cr				03	04	02	03	ØB	+	1	_	00	0	786	D0.0	0x00	Tx	HS_G4
	15,186224752s H		PACP PWR re				03	04	02	03	ØB	+	1		00	e	787	D2.5 K28.6	0xA2	Tx	HS_G4
(i)								1		-	-	1	1			10	788	K28.1	0x3C	Tx	H5_G4
/iew Index	x Timestamp	1	Host		vice	Gear	Flags	5.00	Frame Seq	Credit	10000	nc					-	iew_DEVICE	-	1.000	Gear
		DL_AFC		De	vice	HS_G48		EUM	es eq	38	varue C	RC					Index 23	D26.2	0x5A	Rx	HS_G4
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			·						05	20		_						D26.2	0x5A	RX	HS_G4
5767		PACP_P	WR_req			HS_G48	-			-							25	D26.2	0x5A	Rx	HS_G4
	3 14.958731672s			PACP_PW	R_cnf	HS_G4B	ØB										26	D26.2	0x5A	Rx	HS_G4
5769	14.95873184s	EOB				HS_648											27	D26.2	0x5A	Rx	HS_G4
	14.9587321445			EOB		H5_G48											28	D26.2	0x5A	Rx	HS_G4
	14.9760424565	SOB				HS_G3B											29	D26.2	0x5A	Rx	HS_G4
				SOB		HS_G48					-	-				-	30	D26.2	0x5A	Rx	HS_G4
																	31	D26.2 D26.2	0x5A 0x5A	Rx Rx	HS_G4
	15.010263416s			DL_AFC		HS_G4B			1F	00								D26.2	0x5A	RX	HS_G4
5774	15.010263416s	0		DL_AFC		HS_G4B			1F	80								K28.5	ØxBC	Rx	HS_G4
	15.010263768s	SOB				HS_G4B						-					35	D9.1	0x29	Rx	HS_G4
	15.010263768s	DL_AFC				HS_G4B			1F	00							36	D27.4	0x9B	Rx	HS_G4
		-	-	-				-	1F	34		-					37	D29.2	0x5D	Rx	HS_G4
	15.010263768s	DL_AFC				HS_G4B			11	34						-		K28.5	OXEC		HS G4

PGY-UFS4.0-PA Software separates the PACP packets in a separate view for easy analysis of power mode change packets and link to UniPro packets. Users can view the MPHY states stall, prepare, sync information in UniPro view apart from user selection for DL_Data and AFC/NACK Packet details.





Error Events, Search and Filter

Search Filter Out Filter In	Search Reset
Search Type NODE V Search Layer EVENTS V	
CRC_UPRO 0 (0 + 0)	7
CRC_UFS (0)	
HIBERNATE (316)	
LINERESET (0)	
PA_INIT (0)	
PACP_REQ_PACP_CNF_MISMATCH (0)	
DLDATA_FRAME_SEQ_MISMATCH (0)	
CMD_RES_MISMATCH (10)	
SOB_EOB_ERR (0)	
Dout_RTT_ERR (0)	
PACP_PWR_TIMEOUT (0)	
DLData_MISSING_ACK (0)	

PGY-UFS3.X-PA Software does the live decode and list all the events. The list of events are shown in this picture. Users can easily note the errors in captured protocol data. In large buffer capture, it takes extremely difficult to locate the errors. But PPGGY-UFS3.X-PA software simplifies this by listing events while decoding the captured data. Search and Fliter allows you directly locate the error events or UFS or UniPro or PACP packet in the protocol listing windows. Filter-in and Filter-out makes it easy view the data of interest in the protocol listing window.

Comprehensive Protocol Analysis Using Multi-View



PGY-UFS4.0-PA UFS Protocol Analyzer provides USB3.0 interface for host computer connectivity. Highspeed host connectivity enables continuous streaming of protocol data to host HDD and storage for long period of time. Software offers multi-view such as MPHY view, UniPro view and UFS View. Each view lists the respective protocol packets and its details with correlation of each layer for easy debug.

PGY Protocol Analyzer's easy to use interface, reduces the protocol analysis time. Time stamped view of protocol decode listing provides easy view of protocol activities between host and the device. At a click of a button, user can view the decode of each packet and the intended function. Floating window software architecture allows the user to view each protocol layer on separate monitors for easy debug. Autocorrelation of each selected packet from UFS to MPHY layers simplifies the debug activity





Specifications

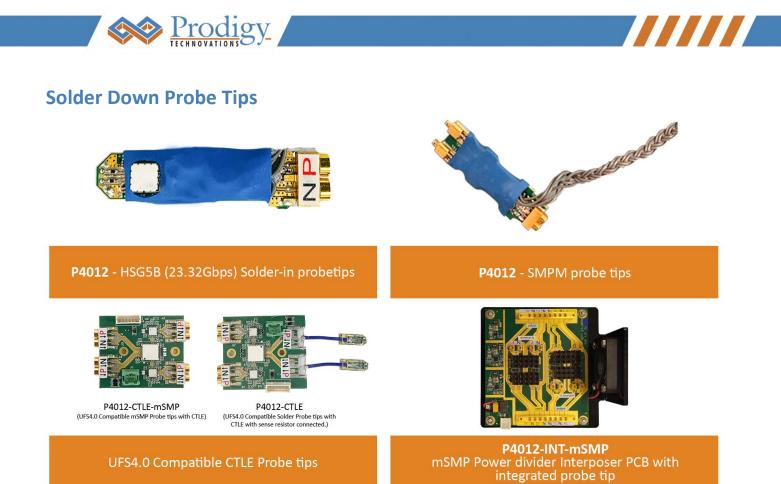
Data Rates Supported	PWM G1 to G7, High Speed Gear 1, Gear 2, Gear 3 and Gear 4, Rate A and B							
Link width	Configurable for 1TX/1RX or 2TX/2RX							
Probes	Solder Down Active Probes							
Protocol Decode	MPHY, UniPro and UFS layers							
Trace Capture Size	Supports Continuous streaming of Protocol data to Host computer SSD/HDD. Internal acquisition memory of 16GB expandable up to 64GB							
Trigger	Based MPHY, UniPro, UFS Packets							
Front Panel Connectors	Interface for Active probes. Trigger in/out SMA connectors							
Interface for Host Computer	USB3.0 and Gigabit Ethernet interface							
Host Computer Requirements	Windows 7/8.0/8.1/10 64bit operating System. It supports a RAM of minimum 8GB, but the product would give a faster response for a 16GB. The minimum storage capacity of 1GB should be available in the hard disk drive. User can use more storage based on trace storage requirement. Display resolution of the monitor is 1024X768. Host computer should support USB3.0 or GBe interface.							
Dimension	(W x H x D) (20.5X5X25) cms							
Weight	Approx. 2.5Kg							
Power Requirement	12V, 3A DC Power Supply (AC/DC Supplied along with Analyzer)							





Trigger Specifications

Stack	Protocol Analyzer	Packet Type
		(TRG_UPRO0)
	Link Start-up Sequence	(TRG_UPRO1)
		(TRG_UPRO2)
		PACP_PWR_reg
		PACP_PWR_cnf
		PAC_Cap_ind
		PACP_Cap_EXT1_ind
		PACO_EPR_ind
		PACP_TestMode_req
	PHY Capability Adapter	PACP_GET_req
UniPRO	Packets (PCAP)	PACP_GET_cnf
		PACP_SER_req
		PACP_SET_cnf
		PACP_TEST_Data_0
		PACP_TEST_Data_1
		PACP_TEST_Data_2
		PACP_TEST_Data_3
		SOF
		EOF
		EOF_ODD
	Data Link Packets	EOF_EVEN
		COF
		AFC/NAC
		Traffic class 0/Traffic class 1
		NOP IN
		NOP OUT
		Commands
	LIES Lawors Dackats	Response
UFS	UFS Layers Packets	Task Management Request
		Task Management Response
		Ready To Transfer
		Ready to Transfer



Probing UFS signal is one of the key challenges in reliable UFS protocol decode. In most of the DUT, test points are located close to each other without enough space to solder the probe tips. Solder-in probe tips that can be soldered directly to test pads between the UFS host and device. This probe tip has high analog bandwidth to boost the HSG5B (23.32Gbps) signals. Active circuit in probe tip efficiently drives the low power MPHY signal to UFS 4.0 Protocol Analyzer for error free Protocol Analysis at UFS 4.0 speeds. Many of the UFS 4.0 development platforms have SMPM connector to access the MPHY Signals. To probe such device, Prodigy Technovations offers SMPM probe tips. SMPM probe tips has mating SMPM connector with DUT. This makes it convenient connect to the DUT and analyze UFS 4.0 Protocol data. SMPM coaxial cables are required to connect the power divider to UFS test setup. These cables are to be separately arranged by user.





Ordering Information

Part no	Product Description
PGY-UFS4.X-PA	UFS4.0 Protocol Analyzer supports HSG5B rate (with full backward compatibility to UFS2.0/2.1/3.0/3.1)
Standard Bundle:	
PGY-UFS4.X-PA SW	PGY-UFS-PA Software
P6011A	mSMP Coax Cables (0,5 mtr long) - Pair
P4012	UFS4.0 Compatible solder Probe tips (4qty)
3210	LAN cable
3220	USB Cable
4240	12V DC Power Adapter for UFS4.0

Optional Probes:	
P4012	UFS4.0 Compatible solder Probe tips (4qty)
P4012-mSMP	UFS4.0 Probe Tips with mSMP connector (4qty)
P4012-CTLE	UFS4.0 Compatible mSMP Probe tips with CTLE (2qty)
P4012-INT-mSMP	mSMP Power divider Interposer PCB with integrated probe tip

Warranty Information

12 months return to Prodigy hardware warranty from the date of delivery.12 months software update support from date of delivery.

Note: Probes, cables & accessories carry 90 days warranty for any manufacturing defects only.



About Prodigy Technovations Pvt Ltd

Prodigy Technovations Pvt Ltd (www.prodigytechno.com) is a leading global technology provider of Protocol Decode, and Physical layer testing solutions on test and measurement equipment. The company's ongoing efforts include successful implementation of innovative and comprehensive protocol decode and physical layer testing solutions that span the serial data, telecommunications, automotive, and defense electronics sectors worldwide.