

# Serial Support Using Oscilloscopes and Optional Software

## SELECTION GUIDE





# SERIAL SUPPORT BY MSO/DPO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		MSO/DPO7000C/DX Series			DPO7000C Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I <sup>2</sup> C		SR-EMBD	SR-EMBD	-	SR-EMBD	SR-EMBD	-
	SPI		SR-EMBD	SR-EMBD	-	SR-EMBD	SR-EMBD	-
	RS-232/UART		SR-COMP	SR-COMP	-	SR-COMP	SR-COMP	-
	I <sup>2</sup> S		-	-	-	-	-	-
Transportation	CAN		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	CAN FD		-	-	-	-	-	-
	LIN		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	FlexRay		SR-AUTO	SR-AUTO	-	SR-AUTO	SR-AUTO	-
	MOST		-	-	MOST	-	-	MOST
	BroadR-Reach		-	-	BRR	-	-	BRR
	MIL-STD-1553B		SR-AERO	SR-AERO	-	SR-AERO	SR-AERO	-
Computer / Peripherals	USB 2.0		SR-USB	SR-USB (LS, FS)	USB2	SR-USB	SR-USB (LS, FS)	USB2
	USB 3.0		SR-USB	-	USB3, TEKEXP Opt. USB-RMT, USB-TX	-	-	-
	HSIC		HSIC	-	HSIC	HSIC	-	HSIC
	MIPI D-PHY		SR-DPHY	-	D-PHY, TEKEXP Opt. D-PHYTX	SR-DPHY	-	D-PHY TEKEXP Opt. D-PHYTX
	MIPI M-PHY		-	-	M-PHY, M-PHYTX, M-PHYRX	-	-	-
	HEAC		-	-	TEKEXP Opt. HEAC	-	-	TEKEXP Opt. HEAC
	PCIe		SR-PCIE	-	PCE3	SR-PCIE	-	-
	DiiVA		-	-	TEKEXP Opt. DIIVA	-	-	-
	DisplayPort		-	-	DP12 TEKEXP Opt. DP-SINK	-	-	-
	HDMI		-	-	HT3, HT3DS	-	-	-
	MHL		-	-	MHD	-	-	-
	SATA		-	-	SATA-RSG, SATA-TSG	-	-	-
	SAS3		-	-	SAS3, SAS-TSG, SAS-TSGW	-	-	-
	Thunderbolt		-	-	TBT-TX	-	-	-
UHS-II		-	-	UHS2	-	-	-	
Memory	DDR		-	-	DDRA, DDR-LP4	-	-	DDRA
Datacom	Ethernet		SR-ENET	-	ET3, XBGT2, NBASET	SR-ENET	-	ET3, XBGT2, NBASET
	Comm. Mask Testing		-	-	MTH	-	-	MTM
	Fibre Channel		-	-	FC-16G	-	-	-
	10GBASE-T KR		-	-	10G-KR	-	-	-
	SFP+		-	-	SFP-TX, SFP-WDP	-	-	-
Advanced Analysis	Custom Serial		SR-CUST	-	-	SR-CUST	-	-
	8b/10b		SR-810B	-	-	SR-810B	-	-
	NRZ Serial		-	ST6G	-	-	ST1G	-
	PAM4		-	-	PAM4	-	-	-
	Serial Data Link Analysis		-	-	SDLA64	-	-	-
	Jitter & Eye Diagram Analysis		-	-	DJA (DJE incl. std), DJAN	-	-	DJA (DJE incl. std), DJAN

# SERIAL SUPPORT BY MSO/DPO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		5 Series MSO			MSO/DPO5000B Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I <sup>2</sup> C		5-SREMBD	5-SREMBD	-	SR-EMBD	SR-EMBD	-
	SPI		5-SREMBD	5-SREMBD	-	SR-EMBD	SR-EMBD	-
	RS-232/UART		5-SRCOMP	5-SRCOMP	-	SR-COMP	SR-COMP	-
	I <sup>2</sup> S		5-SRAUDIO	5-SRAUDIO	-	-	-	-
Transportation	CAN		5-SRAUTO	5-SRAUTO	-	SR-AUTO	SR-AUTO	-
	CAN FD		-	-	-	-	-	-
	LIN		5-SRAUTO	5-SRAUTO	-	SR-AUTO	SR-AUTO	-
	FlexRay		5-SRAUTO	5-SRAUTO	-	SR-AUTO	SR-AUTO	-
	MOST		-	-	-	-	-	MOST
	BroadR-Reach		-	-	-	-	-	BRR
	MIL-STD-1553B		-	-	-	SR-AERO	SR-AERO	-
Computer / Peripherals	USB 2.0		5-SRUSB2	5-SRUSB2	-	SR-USB	SR-USB	USB2
	USB 3.0		-	-	-	-	-	-
	HSIC		-	-	-	HSIC	-	HSIC
	MIPI D-PHY		-	-	-	SR-DPHY	-	-
	MIPI M-PHY		-	-	-	-	-	-
	HEAC		-	-	-	-	-	-
	PCIe		-	-	-	SR-PCIE	-	-
	DiiVA		-	-	-	-	-	-
	DisplayPort		-	-	-	-	-	-
	HDMI		-	-	-	-	-	-
	MHL		-	-	-	-	-	-
	SATA		-	-	-	-	-	-
	SAS3		-	-	-	-	-	-
	Thunderbolt		-	-	-	-	-	-
UHS-II		-	-	-	-	-	-	
Memory	DDR		-	-	-	-	-	DDRA
Datacom	Ethernet		5-SRENET	5-SRENET	-	SR-ENET	SR-ENET	ET3
	Comm. Mask Testing		-	-	-	-	-	MTM
	Fibre Channel		-	-	-	-	-	-
	10GBASE-T KR		-	-	-	-	-	-
	SFP+		-	-	-	-	-	-
Advanced Analysis	Custom Serial		-	-	-	SR-CUST	-	-
	8b/10b		-	-	-	SR-810B	-	-
	NRZ Serial		-	-	-	-	-	-
	PAM4		-	-	-	-	-	-
	Serial Data Link Analysis		-	-	-	-	-	-
	Jitter & Eye Diagram Analysis		-	-	5-DJA	-	-	DJA (DJE incl. std), DJAN

# SERIAL SUPPORT BY MDO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		MD04000C Series			MD03000 Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test	Decode & Search	Serial Trigger	Compliance Test
Embedded	I <sup>2</sup> C	DPO4EMBD	DPO4EMBD	-	MD03EMBD	MD03EMBD	-	
	SPI	DPO4EMBD	DPO4EMBD	-	MD03EMBD	MD03EMBD	-	
	RS-232/UART	DPO4COMP	DPO4COMP	-	MD03COMP	MD03COMP	-	
	I <sup>2</sup> S	DPO4AUDIO	DPO4AUDIO	-	MD03AUDIO	MD03AUDIO	-	
Transportation	CAN	DPO4AUTO	DPO4AUTO	-	MD03AUTO	MD03AUTO	-	
	CAN FD	DPO4AUTO	DPO4AUTO	-	MD03AUTO	MD03AUTO	-	
	LIN	DPO4AUTO	DPO4AUTO	-	MD03AUTO	MD03AUTO	-	
	FlexRay	DPO4AUTOMAX	DPO4AUTOMAX	-	MD03FLEX	MD03FLEX	-	
	MOST	-	-	-	-	-	-	
	BroadR-Reach	-	-	-	-	-	-	
	MIL-STD-1553B	DPO4AERO	DPO4AERO	-	MD03AERO	MD03AERO	-	
Computer / Peripherals	USB 2.0	DPO4USB	DPO4USB	-	MD03USB	MD03USB	-	
	USB 3.0	-	-	-	-	-	-	
	HSIC	-	-	-	-	-	-	
	MIPI D-PHY	-	-	-	-	-	-	
	MIPI M-PHY	-	-	-	-	-	-	
	HEAC	-	-	-	-	-	-	
	PCIe	-	-	-	-	-	-	
	DiVA	-	-	-	-	-	-	
	DisplayPort	-	-	-	-	-	-	
	HDMI	-	-	-	-	-	-	
	MHL	-	-	-	-	-	-	
	SATA	-	-	-	-	-	-	
	SAS3	-	-	-	-	-	-	
	Thunderbolt	-	-	-	-	-	-	
	UHS-II	-	-	-	-	-	-	
Memory	DDR	-	-	-	-	-	-	
Datacom	Ethernet	DPO4ENET	DPO4ENET	-	-	-	-	
	Comm. Mask Testing	-	-	DPO4LMT	-	-	MD03LMT	
	Fibre Channel	-	-	-	-	-	-	
	10GBASE-T KR	-	-	-	-	-	-	
	SFP+	-	-	-	-	-	-	
Advanced Analysis	Custom Serial	-	-	-	-	-	-	
	8b/10b	-	-	-	-	-	-	
	NRZ Serial	-	-	-	-	-	-	
	PAM4	-	-	-	-	-	-	
	Serial Data Link Analysis	-	-	-	-	-	-	
	Jitter & Eye Diagram Analysis	-	-	-	-	-	-	

# SERIAL SUPPORT BY MSO/DPO PRODUCT SERIES AND REQUIRED OPTIONAL SOFTWARE

		MSO / DPO2000B Series			
		Serial Standard	Decode & Search	Serial Trigger	Compliance Test
Embedded	I <sup>2</sup> C		DPO2EMBD	DPO2EMBD	-
	SPI		DPO2EMBD	DPO2EMBD	-
	RS-232/UART		DPO2COMP	DPO2COMP	-
	I <sup>2</sup> S		-	-	-
Transportation	CAN		DPO2AUTO	DPO2AUTO	-
	CAN FD		-	-	-
	LIN		DPO2AUTO	DPO2AUTO	-
	FlexRay		-	-	-
	MOST		-	-	-
	BroadR-Reach		-	-	-
	MIL-STD-1553B		-	-	-
Computer / Peripherals	USB 2.0		-	-	-
	USB 3.0		-	-	-
	HSIC		-	-	-
	MIPI D-PHY		-	-	-
	MIPI M-PHY		-	-	-
	HEAC		-	-	-
	PCIe		-	-	-
	DiVA		-	-	-
	DisplayPort		-	-	-
	HDMI		-	-	-
	MHL		-	-	-
	SATA		-	-	-
	SAS3		-	-	-
	Thunderbolt		-	-	-
UHS-II		-	-	-	
Memory	DDR		-	-	-
Datacom	Ethernet		-	-	-
	Comm. Mask Testing		-	-	-
	Fibre Channel		-	-	-
	10GBASE-T KR		-	-	-
	SFP+		-	-	-
Advanced Analysis	Custom Serial		-	-	-
	8b/10b		-	-	-
	NRZ Serial		-	-	-
	PAM4		-	-	-
	Serial Data Link Analysis		-	-	-
	Jitter & Eye Diagram Analysis		-	-	-



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