

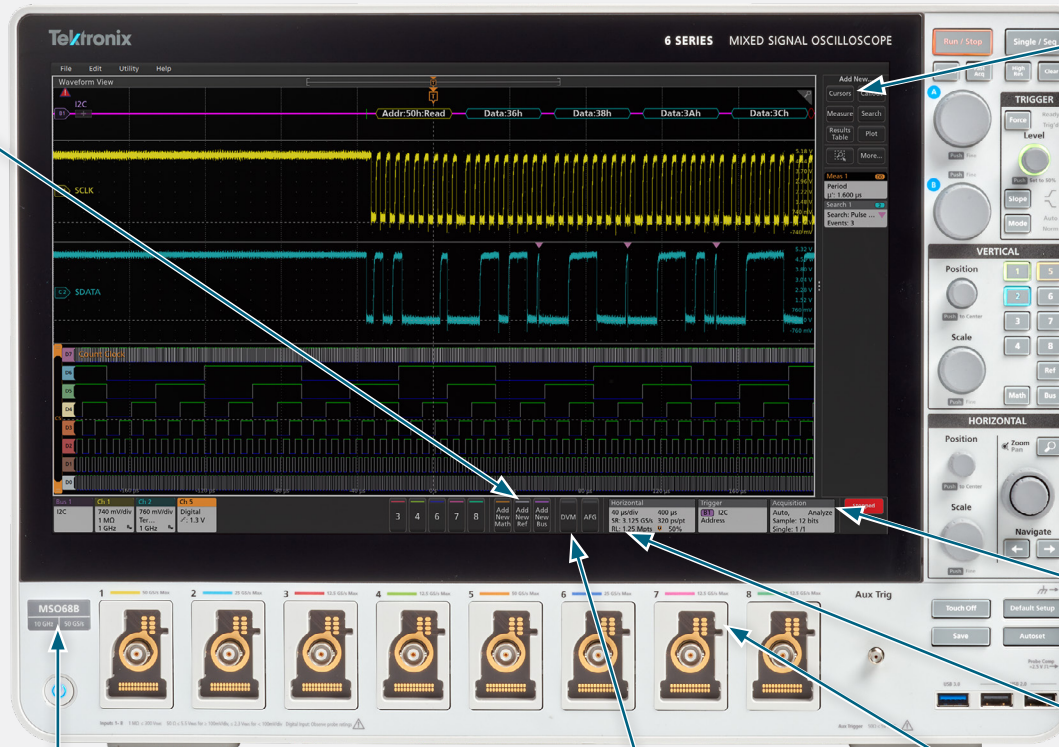


# Upgrades Available After Purchase

Upgrade as your needs change

## Protocol Decoding

- Serial bus decoding
  - 1-Wire
  - 8b10b
  - ARINC 429
  - Automotive Ethernet
  - CAN / LIN / FlexRay
  - CXPI
  - eSPI
  - EtherCAT
  - Ethernet
  - eUSB2
  - I<sup>2</sup>C
  - I2S Audio
  - I3C
  - Manchester
  - MDIO
  - MIL-STD-1553
  - MIPI C-PHY
  - MIPI D-PHY 1.2 (CSI/DSI)
  - NFC
  - NRZ
  - PS15
  - PCIe Gen 1, 2, 3
  - RS-232 / UART
  - SDLC
  - SENT
  - SMBus
  - SpaceWire
  - SPI
  - SPMI
  - SVID
  - USB 2.0
  - USB 3.0



## Advanced Analysis

- Advanced Jitter
- Serial Bus Compliance/Conformance
- Advanced Power Analysis
- Inverters, Motors and Drives
- Inverter Ride-through analysis
- Double Pulse Testing
- Wideband Spectrum Analysis
- RF vs Time Analysis and Triggering
- Signal Integrity Modeling
- Time Domain Reflectometry
- User-defined Filter Creation
- Vector Signal Analysis

## Extend Record Length

Increase to 125 M, 250 M, 500 M or 1 G points/channel

## Function Generator Upgrade

Arbitrary / Function Generator

## Add TLP058 Logic Probes

Access 8 digital channels on any FlexChannel input

## Bandwidth Upgrades

- 2.5 GHz
- 4 GHz
- 6 GHz
- 8 GHz
- 10 GHz

## Windows 10 Upgrade

Add solid state drive with Windows 10 license

## Digital Voltmeter / Trigger Frequency Counter

Free with product registration

# Save with Application Bundles



Eight Application Bundles deliver outstanding value. Available with 1-year (1Y) or (PER) perpetual licenses.

## Starter Bundle (6-STARTER-FL) - Capabilities that most engineers will find valuable

- Serial trigger, decode, search and event table analysis on I<sup>2</sup>C, SPI, RS-232/422/485/UART buses
- Integrated Arbitrary/Function Generator with 13 predefined waveform types as well as arbitrary waveforms

## Six Pro Bundles - Designed for specific applications and industries

- Choose one of the six bundles below to fit your application.
- Each includes the Starter Bundle (above).
- Each extends record length to 250 M/ch.

Serial Protocol Decoding and Analysis (6-PRO-SERIAL-FL)	Power (6-PRO-POWER)	Signal Integrity (6-PRO-SIGNAL-FL)	Standards Compliance (6-PRO-COMPL-FL)	Automotive (6-PRO-AUTO-FL)	Aerospace (6-PRO-AERODEF-FL)
<ul style="list-style-type: none"> <li>• 1-Wire</li> <li>• 8b10b</li> <li>• Audio</li> <li>• CAN, CAN FD, CAN XL</li> <li>• CXPI</li> <li>• eSPI</li> <li>• EtherCAT</li> <li>• Ethernet</li> <li>• eUSB</li> <li>• FlexRay</li> <li>• I3C</li> <li>• LIN</li> <li>• Manchester</li> <li>• MDIO</li> <li>• MIPI C-PHY</li> <li>• MIPI D-PHY</li> <li>• NFC</li> <li>• NRZ</li> <li>• PCIe Gen 1, 2, 3</li> <li>• SDLC</li> <li>• SMBus</li> <li>• SPMI</li> <li>• SVID</li> <li>• USB 2.0</li> <li>• USB 3.0</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced power analysis</li> <li>• Digital power management analysis</li> <li>• Double pulse testing for wide bandgap semiconductors</li> <li>• Inverter &amp; motor drive analysis with DQ0 and mechanical measurements</li> <li>• Inverter ride-through measurements</li> <li>• SPMI decoding</li> <li>• SVID decoding</li> <li>• TDR measurements</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced jitter analysis</li> <li>• DDR3 debug</li> <li>• LVDS debug*</li> <li>• Mask/limit testing</li> <li>• PAM3 analysis*</li> <li>• Power measurement and analysis</li> <li>• User-defined filters</li> </ul>	<ul style="list-style-type: none"> <li>• 2.5G/5G/10G BASE-T Ethernet*</li> <li>• 10/100/100BASE-T Ethernet with Multi-lane*</li> <li>• 10BASE-T1L Industrial Ethernet*</li> <li>• Advanced jitter analysis</li> <li>• DDR3*</li> <li>• MIPI D-PHY 1.2*</li> <li>• MIPI D-PHY 2.1*</li> <li>• Power measurement and analysis</li> <li>• USB 2.0*</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced jitter analysis</li> <li>• Automotive Ethernet PAM3 analysis*</li> <li>• Automotive Ethernet signal separation*</li> <li>• Automotive Ethernet compliance*</li> <li>• MIPI D-PHY 1.2 Compliance*</li> <li>• Inverter and motor drive analysis with DQ0 and mechanical measurements</li> <li>• Double pulse testing for wide bandgap semiconductors</li> <li>• 100BASE-T1 decoding</li> <li>• CAN, CAN FD, CAN XL decoding</li> <li>• CXPI decoding</li> <li>• FlexRay decoding</li> <li>• I3C decoding</li> <li>• LIN decoding</li> <li>• PS15 decoding</li> <li>• SENT decoding</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced jitter analysis</li> <li>• Mask/limit testing</li> <li>• ARINC 429 decoding</li> <li>• Manchester decoding</li> <li>• MIL-STD-1553 decoding</li> <li>• NRZ decoding</li> <li>• SpaceWire decoding</li> </ul>

## Ultimate Bundle (6-ULTIMATE-FL) - The most capability and greatest savings

- Includes Starter bundle and all Pro bundles
- PLUS: Record length extended to 1 Gpts/channel on 4 channels (500 Mpts > 4 channels), Spectrum View RF vs. time waveforms, extended Spectrum View capture bandwidth, and video triggers

\* Requires solid state drive with Windows operating system (Option 6-WIN)

# Available Upgrades - 6 SERIES B MSO



## Individual Options

Feature	Upgrade	Description	Upgrade Option Details
Upgrade Bandwidth	SUP6B-BWn	Bandwidth upgrade for n-channel 6 Series B MSO. See datasheet for details on all upgrade options.	All bandwidth upgrades can be performed in the field by installing a software license.

Feature	Node-Locked License Upgrade	Description
Instrument Functions	SUP6-AFG	Add arbitrary function generator
	SUP6-RL-1	Extend record length from 62.5 Mpts / channel to 125 Mpts / channel <sup>2</sup>
	SUP6-RL-2	Extend record length from 62.5 Mpts / channel to 250 Mpts / channel <sup>2</sup>
	SUP6-RL-3	Extend record length from 62.5 Mpts / channel to 500 Mpts / channel <sup>2</sup>
	SUP6-RL-4	Extend record length from 62.5 Mpts / channel to 1 Gpts / channel on 4 channels (500 Mpts / channel on > 4 channels) <sup>2</sup>
	SUP6B-LNX	Add removable SSD with closed embedded OS
	SUP6B-WIN	Add removable SSD with Windows 10 license installed
Protocol Analysis Decode and search serial content. Some packages include hardware triggering as noted.	SUP6-RFNFC	NFC protocol decode and search
	SUP6-SR8B10B	8b10b serial analysis
	SUP6-SRAERO	Aerospace serial triggering and analysis (MIL-STD-1553, ARINC 429)
	SUP6-SRAUDIO	Audio serial triggering and analysis (I <sup>2</sup> S, LJ, RJ, TDM)
	SUP6-SRAUTO	Automotive serial triggering and analysis (CAN, CAN FD, CAN XL, LIN, FlexRay)
	SUP6-SRAUTOEN1	100BASE-T1 Automotive Ethernet protocol decode software
	SUP6-SRAUTOSEN	Automotive sensor serial triggering and analysis (SENT)
	SUP6-SRCOMP	Computer serial triggering and analysis (RS-232/422/485/UART)
	SUP6-SRCXPI	CXPI serial decoding and analysis
	SUP6-SREMBD	Embedded serial triggering and analysis (I <sup>2</sup> C, SPI)
	SUP6-SRCPHY	MIPI C-PHY serial decoding and analysis
	SUP6-SRDPHY	MIPI D-PHY CSI/DSI serial decoding and analysis
	SUP6-SRENET	Ethernet serial triggering and analysis (10BASE-T, 100BASE-TX)
	SUP6-SRESPI	eSPI serial decoding and analysis
	SUP6-SRETHERCAT	EtherCAT serial decoding and analysis
	SUP6-SRI3C	MIPI I3C serial decoding and analysis
	SUP6-SRMANCH	Manchester serial analysis
	SUP6-SRMDIO	Management Data Input/Output (MDIO) serial decode and analysis
	SUP6-SRNRZ	NRZ serial analysis
	SUP6-SRONEWIRE	1-Wire serial decoding and analysis
	SUP6-SRPCIE321	PCIe Gen 1, Gen 2, Gen 3 decoding and analysis
	SUP6-SRPM	Power management serial triggering and analysis (SPMI)
	SUP6-SRPSI5	PSI5 serial decoding and analysis
	SUP6-SRSDLC	Synchronous Data Link Control (SDLC) serial decoding and analysis
	SUP6-SRSMBUS	SMBus serial decoding and analysis
	SUP6-SRSPACEWIRE	SpaceWire serial analysis
	SUP6-SRSVID	Serial Voltage Identification (SVID) serial decode and analysis
	SUP6-SRUSB2	USB 2.0 serial bus triggering and analysis (LS, FS, HS)
	SUP6-SREUSB2	Embedded USB2 (eUSB2) serial decode and analysis
	SUP6-SREUSB3	USB 3.0 serial decoding and analysis

Most licenses are available as "Floating" versions to facilitate sharing among engineers within your company. Contact your Tektronix representative for additional information.

# Available Upgrades - 6 SERIES B MSO



## Individual Options

Feature	Node-Locked License Upgrade	Description
<b>Serial Compliance/Conformance<sup>1</sup></b> Perform automated pass/fail testing or margin testing per common standards, with numerical results and full reports.	SUP6-AUTOEN-SS	Automotive Ethernet signal separation
	SUP6-CMAUTOEN	Automotive Ethernet compliance test (100BASE-T1, 1000BASE-T1)
	SUP6-CMAUTOEN10	Automotive Ethernet compliance test (10BASE-T1S Short Reach)
	SUP6-CMAUTOEN10G	Automotive Ethernet compliance test (2.5G/5GBASE-T1)
	SUP6-CMDPHY	MIPI D-PHY 1.2 compliance test
	SUP6-CMDPHY21	MIPI C-PHY conformance testing
	SUP6-CMENET	Ethernet compliance test (10BASE-T, 100BASE-T, 1000BASE-T)
	SUP6-CMENETML <sup>1,5</sup>	Multilane Ethernet (10BASE-T, 100BASE-T, 1000BASE-T)
	SUP6-CMINDUEN10	Industrial Ethernet (10BASE-T1L Long Reach) automated compliance test solution
	SUP6-CMNBASET	Ethernet (2.5G and 5G BASE-T) compliance test
	SUP6-CMUSB2	USB 2.0 compliance test
	SUP6-CMXGBT	Ethernet (10G BASE-T) compliance test
<b>Advanced Analysis</b>	SUP6-AUTOEN-BND <sup>1</sup>	Automotive Ethernet compliance, signal separation, PAM3 analysis (requires option 5-DJA), 100BASE-T1 serial decode
	SUP6-DBLVDS <sup>1,4</sup>	Automated LVDS test solution
	SUP6-DJA	Advanced jitter and eye analysis
	SUP6-DPM	Digital Power Management
	SUP6B-IMDA <sup>3</sup>	Inverters, motors and drives analysis
	SUP6B-IMDA-DQ0 <sup>3</sup>	Add DQ0 measurements to IMDA
	SUP6B-IMDA-MECH <sup>3</sup>	Add mechanical measurements to IMDA
	SUP6-MTM	Mask and limit testing
	SUP6-PAM3 <sup>1,4</sup>	PAM3 analysis
	SUP6-PS2	Power solution bundle (SUP6-PWR, THDP0200, TCP0030A, 067-1686-xx (deskew fixture))
	SUP6-PWR	Advanced power measurements and analysis
	SUP6-SV-BW-1	Increase Spectrum View Capture Bandwidth to 2 GHz
	SUP6-SV-RFVT	Spectrum View RF versus Time Analysis and Trigger
	SUP6-TDR	Time domain reflectometry (TDR) measurements and analysis
	SUP6-UDFLT	User-defined filter creation tool
	SUP6-VID	NTSC, PAL and SECAM video triggering
SUP6-WBG-DPT	Wide bandgap SiC/GaN double pulse test measurements	
<b>Memory Analysis</b>	SUP6-CMDDR3 <sup>1</sup>	DDR3 and LPDDR3 memory compliance test
	SUP6-DBDDR3 <sup>4</sup>	DDR3 and LPDDR3 memory debug and analysis
<b>Digital Voltmeter</b>	SUP6-DVM	Add digital voltmeter / trigger frequency counter (Free with product registration at <a href="http://www.tek.com/register6mso">www.tek.com/register6mso</a> )

1. Option 6-WIN or upgrade SUP6B-WIN required. 2. Additional upgrades are available from any record length to any greater record length. See datasheet for details. 3. This option requires a 6- or 8-channel instrument. 4. Option 6-DJA or upgrade SUP6-DJA required. 5. Option 6-CMENET required.

[www.tek.com/6SeriesMSO](http://www.tek.com/6SeriesMSO)

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