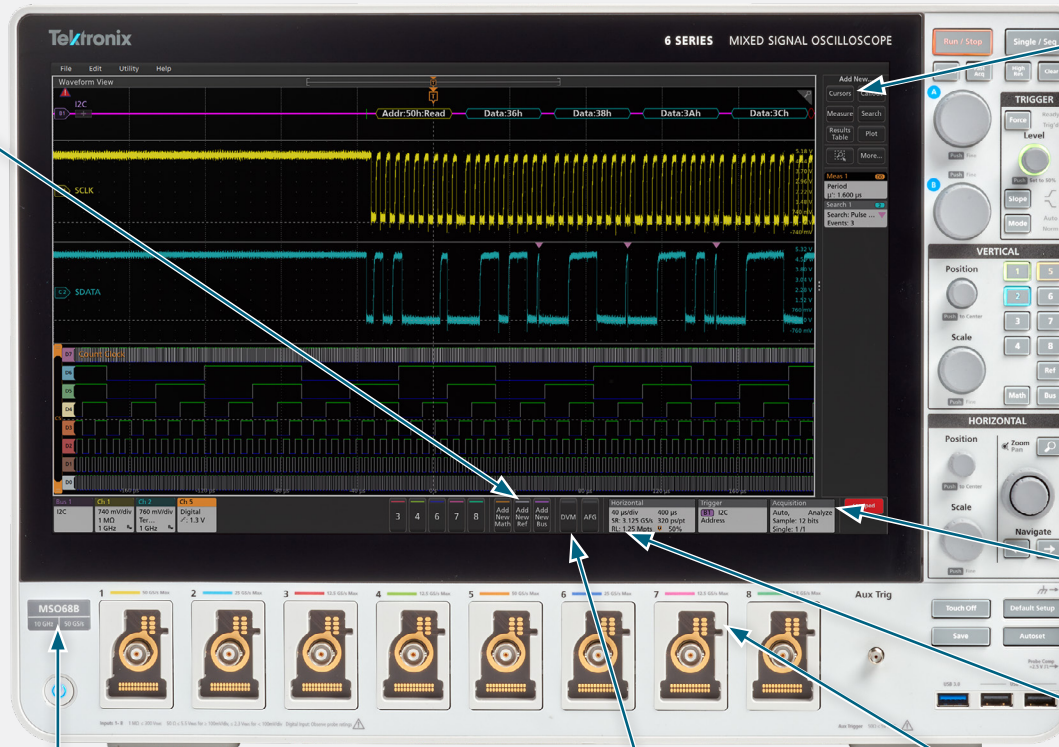# Upgrades Available After Purchase

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
  - I²C
  - I2S Audio
  - I3C
  - Manchester
  - MDIO
  - MIL–STD–1553
  - MIPI C-PHY
  - MIPI D-PHY 1.2 (CSI/DSI)
  - NFC
  - NRZ
  - PSI5
  - 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
- Double Pulse Testing
- Wideband Spectrum Analysis
- RF vs Time Analysis and Triggering
- User-defined Filter Creation
- Time Domain Refectometry
- Vector Signal Analysis

Extend Record Length

Increase to 125M, 250M, 500M or 1G 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

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Tektronix®

Save with Application Bundles

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

Starter Bundle (6-STARTER-1Y or -PER) – Capabilities that most engineers will find valuable

- Serial trigger, decode, search and event table analysis on I²C, 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-1Y or -PER)

- 1-Wire
- 8b10b
- Audio
- CAN, CAN FD, CAN XL
- CXPI
- eSPI
- EtherCAT
- Ethernet
- eUSB
- FlexRay
- I3C
- LIN
- Manchester
- MDIO
- MIPI C-PHY
- MIPI D-PHY
- NRZ
- PCIe Gen 1, 2, 3
- SDLC
- SMBus
- SPMI
- SVID
- USB 2.0
- USB 3.0

Power (6-PRO-POWER-1Y or -PER)

- Advanced power analysis
- Digital power management analysis
- Inverter & motor drive analysis with DQ0 and mechanical measurements
- Double pulse testing for wide bandgap semiconductors
- SPMI decoding
- SVID decoding
- TDR measurements

Signal Integrity (6-PRO-SIGNAL-1Y or -PER)

- Advanced jitter analysis
- DDR3 debug
- LVDS debug*
- Mask/limit testing
- PAM3 analysis*
- User-defined filters

Standards Compliance (6-PRO-COMPL-1Y or -PER)

- 10/100/100BASE-T Ethernet with Multi-lane*
- 10BASE-T1L Industrial Ethernet*
- DDR3*
- MIPI D-PHY 1.2*
- MIPI D-PHY 2.1*
- USB 2.0*

Automotive (6-PRO-AUTO-1Y or -PER)

- Advanced jitter analysis
- Automotive Ethernet PAM3 analysis*
- Automotive Ethernet signal separation*
- Automotive Ethernet compliance*
- MIPI D-PHY 1.2 Compliance*
- Inverter and motor drive analysis with DQ0 and mechanical measurements
- Double pulse testing for wide bandgap semiconductors
- 100BASE-T1 decoding
- CAN, CAN FD, CAN XL decoding
- CXPI decoding
- FlexRay decoding
- I3C decoding
- LIN decoding
- PSI5 decoding
- SENT decoding

Aerospace (6-PRO-MILGOV-1Y or -PER)

- Advanced jitter analysis
- Mask/limit testing
- ARINC 429 decoding
- Manchester decoding
- MIL-STD-1553 decoding
- NRZ decoding
- SpaceWire decoding

Ultimate Bundle (6-ULTIMATE-1Y or -PER) – 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[2]
	SUP6-RL-2	Extend record length from 62.5 Mpts / channel to 250 Mpts / channel[2]
	SUP6-RL-3	Extend record length from 62.5 Mpts / channel to 500 Mpts / channel[2]
	SUP6-RL-4	Extend record length from 62.5 Mpts / channel to 1 Gpts / channel on 4 channels (500 Mpts / channel on > 4 channels)[2]
	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 (I²S, 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 (I²C, 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
Serial Compliance/Conformance[1] 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[1,5]	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
Advanced Analysis	SUP6-AUTOEN-BND[1]	Automotive Ethernet compliance, signal separation, PAM3 analysis (requires option 5-DJA), 100BASE-T1 serial decode
	SUP6-DBLVDS[1,4]	Automated LVDS test solution
	SUP6-DJA	Advanced jitter and eye analysis
	SUP6-DPM	Digital Power Management
	SUP6B-IMDA[3]	Inverters, motors and drives analysis
	SUP6B-IMDA-DQ0[3]	Add DQ0 measurements to IMDA
	SUP6B-IMDA-MECH[3]	Add mechanical measurements to IMDA
	SUP6-MTM	Mask and limit testing
	SUP6-PAM3[1,4]	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
Memory Analysis	SUP6-CMDDR3[1]	DDR3 and LPDDR3 memory compliance test
	SUP6-DBDDR3[4]	DDR3 and LPDDR3 memory debug and analysis
Digital Voltmeter	SUP6-DVM	Add digital voltmeter / trigger frequency counter (Free with product registration at www.tek.com/register6mso)

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.

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