Application Modules

Application modules have licenses which can be transferred between an application module and an oscilloscope. The license may be contained in the module; allowing the module to be moved from one instrument to another. Or, the license can be contained in the oscilloscope; allowing the module to be removed and stored for safekeeping. Transferring the license to an oscilloscope and removing the module permits the use of more than 4 applications simultaneously.

Module	Description
DPO4AERO	Aerospace Serial Triggering and Analysis Module. Enables triggering on packet-level information on MIL-STD-1553 buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – Any Ch1 - Ch4, Math, Ref1 - Ref4 Recommended Probing – Differential or single ended (only one single-ended signal required)
DPO4AUDIO	Audio Serial Triggering and Analysis Module. Enables triggering on packet-level information on I^2S, LJ, RJ, and TDM audio buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – Any Ch1 - Ch4, D0 - D15 Recommended Probing – I^2S, LJ, RJ, TDM: Single ended
DPO4AUTO	Automotive Serial Triggering and Analysis Module. Enables triggering on packet-level information on CAN and LIN buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – LIN: Any Ch1 - Ch4, D0 - D15; CAN: Any Ch1 - Ch4, (D0 - D15; single-ended probing only) Recommended Probing – LIN: Single ended; CAN: Single ended or differential
DPO4AUTOMAX	Extended Automotive Serial Triggering and Analysis Module. Enables triggering on packet-level information on CAN, LIN, and FlexRay buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, packet decode tables with time-stamp information, and eye diagram analysis software. Signal Inputs – LIN: Any Ch1 - Ch4, D0 - D15; CAN: Any Ch1 - Ch4, (D0 - D15; single-ended probing only); FlexRay: Any Ch1 - Ch4, (D0 - D15; single-ended probing only) Recommended Probing – LIN: Single ended; CAN, FlexRay: Single ended or differential
DPO4COMP	Computer Serial Triggering and Analysis Module. Enables triggering on packet-level information on RS-232/422/485/UART buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – Any Ch1 - Ch4, (D0 - D15; single-ending probing only) Recommended Probing – RS-232/UART: Single ended; RS-422/485: Differential
DPO4EMBD	Embedded Serial Triggering and Analysis Module. Enables triggering on packet-level information on I^2C and SPI buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – I^2C: Any Ch1 - Ch4, D0 - D15; SPI: Any Ch1 - Ch4, D0 - D15 Recommended Probing – I^2C, SPI: Single ended
DPO4ENET	Ethernet Serial Triggering and Analysis Module. Enables triggering on packet-level information on 10BASE-T and 100BASE-TX buses as well as analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information. Signal Inputs – Any Ch1 - Ch4 for single-ended probing; Any Ch1 - Ch4, Math, Ref1 - Ref4 for differential probing Recommended Probing – 10BASE-T: Single ended or differential; 100BASE-TX: Differential
DPO4USB	USB Serial Triggering and Analysis Module. Enables triggering on packet-level content for low-speed, full-speed, and high-speed USB serial buses. Also enables analytical tools such as digital views of the signal, bus views, packet decoding, search tools, and packet decode tables with time-stamp information for low-speed, full-speed, and high-speed USB serial buses. Signal Inputs – Low-speed and Full-speed: Any Ch1 - Ch4, (D0 - D15; for single-ending probing only); Low-speed, Full-speed, and High-speed: Any Ch1 - Ch4, Math, Ref1 - Ref4 Recommended Probing – Low-speed and Full-speed: Single ended or differential; High-speed: Differential USB high-speed supported only on MDO4104-X models
DPO4PWR	Power Analysis Application Module. Enables quick and accurate analysis of power quality, switching loss, harmonics, safe operating area (SOA), modulation, ripple, and slew rate (dI/dt, dV/dt)
DPO4LMT	Limit and Mask Testing Application Module. Enables testing against limit templates generated from "golden" waveforms and mask testing using custom or standard telecommunications or computer masks
DPO4VID	HDTV and Custom (nonstandard) Video Triggering Module
MDO4TRIG	Advanced RF Power Level Triggering Module. Enables the power level on the RF input to be used as a source in the following trigger types: Pulse Width, Runt, Timeout, Logic, and Sequence