

ATM-1

Automotive Trigger Module



Features

- Monitors automotive serial buses, producing trigger output for oscilloscope capture of bus waveforms
- Works with Tektronix® TDS5000B/7000/7000B oscilloscopes having Tektronix® TDSVNM CAN and LIN Timing and Protocol Decode software
- Supports probing of high-speed CAN, fault-tolerant CAN and single-wire CAN bus systems
- Passively monitors CAN bus protocol, optionally signals out (CAN Acknowledge, Error Frame, etc.)
- Probing of other buses to be supported*
- TDSVNM software supports eye diagram, propagation delay, oscillator tolerance, datarate, bus traffic loading and wakeup-time measurements, along with simultaneous CAN & LIN bus protocol decoding and display
- Model ATM-1-GI provides galvanic isolation between the system-under-test and the oscilloscope
- Front-panel LED provides module status information
- Front-panel 25-pin D-Sub connector for bus-under-test connection
- Rear-panel trigger input and trigger output BNC connectors
- Rear-panel USB1.x connection for module control and power from the oscilloscope
- Rear-panel power connector for powering from optional external power supply
- Rear-panel-accessible connector for deep-storage protocol analysis (forthcoming*) using Tektronix® logic analyzer
- Triggers on bus conditions using multiple trigger states, with multiple conditional clauses per state
- Conditional trigger actions include: start/stop/increment/decrement/reset of counters/timers, signal trigger
- In-the-field firmware upgrading supported via USB connection
- Compact form factor 5" x 4.2" x 1.3" (12,7cm x 10,7cm x 3,3cm) extruded aluminum case
- Provided with mating 25-pin connector, BNC and USB cables, and CDROM with users' manual & support files
- Optional cable assembly provides wired mating connector and flying leadset, used with optional grabber clips

• **HARDWARE & SOFTWARE PRODUCTS FOR USE WITH TEKTRONIX® LOGIC ANALYZERS & OSCILLOSCOPES** •

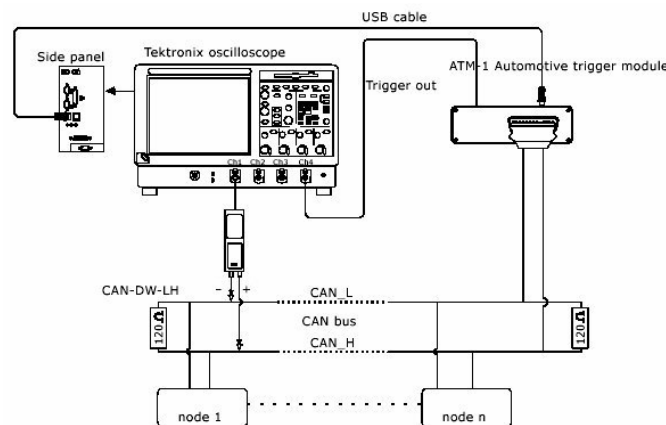


ATM-1 Products Ordering Summary

- ATM-1: Automotive Trigger Module**
- ATM-1-GI: Automotive Trigger Module with Galvanic Isolation**
- ATM-1-Cable-BNC: 1-meter BNC cable (provided with ATM-1/ATM-1-GI)
- ATM-1-Cable-USB: 1-meter USB cable (provided with ATM-1/ATM-1-GI)
- ATM-1-Connector: 25-pin D-Sub mating connector (provided with ATM-1/ATM-1-GI)
- ATM-1-Leadset: Optional wired mating connector with 0,5-meter flying leadset
- ATM-1-Clips-10: Optional grabber clips, set of ten (10), for use with ATM-1-Leadset
- ATM-1-PS: Optional 5V universal switching power supply (5" x 2.5" x 1" (12,7cm x 1cm x 0,4cm))
- ATM-1-PC-<Country>: Two-wire AC power cord for use with optional power supply (country-specific)
- ATM-1-Bundle: ATM-1 (including usual accessories, as above), ATM-1-Leadset and ATM-1-Clips-10
- ATM-1-GI-Bundle: ATM-1-GI (including usual accessories, as above), ATM-1-Leadset and ATM-1-Clips-10

*Functionality requiring feature-specific licensing, not included in the cost of the basic ATM-1/ATM-1-GI

**Operation of the ATM-1/ATM-1-GI requires use of Tektronix® TDSVNM software for purposes of control



Contact Crescent Heart Software

- Internet: www.c-h-s.com; E-mail: sales@c-h-s.com; Voice: (+1)503-232-2232; Facsimile: (+1)503-232-2255
- Crescent Heart Software, a Tektronix® Embedded Systems Tools Partner and a member of the Tektronix® Logic Analyzer Third Party Developer team, is headquartered in Portland, Oregon, USA.
- Information presented herein is subject to change without notice (datasheet Revision F, October 2005)