ATI ACCURATE TECHNOLOGIES

CANary
Compact CAN Interface

CAN FD READY

SUPPORTS CCP AND XCP

ATI TIMESTAMPED DAQ

ROBUST DESIGN

CANary and CANary FD are pocket sized CAN interfaces for ATI's VISION Calibration and Data Acquisition system. Both use multiple channels to bridge full bandwidth CAN data between ATI's data acquisition hardware, ECUs, or other CAN devices that are compatible with VISION Software. Both interfaces offer native support of ATI's EMX Data Acquisition Series for improved data synchronization.

The **CANary** communicates with the PC using Full-Speed USB (12Mbps) and has two high speed CAN and two LIN channels. All channels are electrically isolated from the USB connection and have internal bus termination which can be set or unset by VISION.

The **CANary FD** is designed to handle the increased data available on CAN FD networks while retaining the compact size of the original CANary. The CANary FD communicates with the PC using high-speed USB (480Mbps) and has four CAN FD channels. The channels have independent galvanic isolation and integrated physical switches for bus termination.

CANary FD boasts integrated physical switches for bus termination for each channel

CANary Features

- Provides 2 channels electrically isolated from channel to USB
- Capable of operating all channels at full bus load and maximum bit rate simultaneously
- 2 LIN channels; supporting M/S mode**

CANary FD Features

- Provides galvanic isolation from channel to channel as well as channel to USB
- Capable of operating all channels at full bus load and maximum bit rate simultaneously

DATA ACQUISITION

ECU CALIBRATION

CAN BUS PRODUCTS

NETWORK SOLUTIONS

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Specifications

	CANary FD	CANary
Configuration		
Application Interface	VISION Calibration and Data Acquisition Software	
Compatibility	VISION 5.2+	VISION 4.0+
Indicators		
LEDs	(1) Power status (4) Communication status	(1) Power status (2) Communication status
Operating Conditions		
CAN Modes	CAN FD and CAN 2.0B	CAN 2.0B Only
CAN Channels	4	2
LIN Channel	NA	2; supporting M/S mode**
Isolation	4 Independent galvanically isolated channels	USB connection is isolated from the CAN/LIN channels
CAN FD Modes	ISO 11898:2015 up to 8Mbps data phase Non-ISO/Bosch 1.0 up to 8Mbps data phase	N/A
Connectors	To PC: 1 USB B Connection (high-speed 480Mbps) To CAN hardware: HDB15F	To PC: 1 USB B Connection (full-speed 12Mbps) To CAN/LIN hardware: DB9-M
DC Power	Via USB	Via USB or VPWR pin on CAN connector (7.0 to 30Vdc)
Temperature Range	-40 °C to +85 °C / -40 °F to +185 °F	
Warranty	**1 year**	
Mechanical		
Construction	IP40 Composite enclosure	
Dimensions	38.7 x 61.8 x 21.9 mm / 1.52 x 2.43 x 0.86 in	38.0 x 64.2 x 20.4 mm / 1.5 x 2.46 x 0.8 in
Weight	32g / 1.13oz	28.3 g / 1 oz
Pinout		

ATI ACCURATE TECHNOLOGIES

CANary Order Information

Part Numbers	Description
153-0006	CANary Interface Module
153-0008	CANary FD Interface Module

Accessories

CANary FD		
Part Numbers	**Description**	
I/O Cables / Connectors		
150-0233	10in	4 channel CANary FD to 9-pin breakout cable

CANary		
Part Numbers	**Description**	
Communications		
153-0100		Adapter; CANary Instrumentation Adapter replaces connections normally provided by VISION Hub
I/O Cables / Connectors		
150-0196-6IN	6in	Cable; CANary CAN Splitter
150-0251-9IN	9in	Cable CANary LIN Splitter DB9-F to 2xCAN and 1xLIN DB9-M

*Note: The CANary cannot be used in standalone mode with the Voltage Output Module or Vehicle Information Display (without a PC running VISION).

**Note: As of firmware version 1.3.3, ATI CANary LIN only allows one channel to be used in slave mode. The remaining channel is allowed to be used in Master mode.

ATI ACCURATE TECHNOLOGIES

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V17 EN - CANary

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