VISION Network Hub 2

TEMP RANGE -40 - +85°C

ATI TIMESTAMPED DAQ

CAN FD READY

SUPPORTS CCP AND XCP

- High-performance upgrade for the VISION Network Hub (for non-logging applications)
- Higher data throughput compared to VNH1 for faster data acquisition and/or more channels
- (2) CAN FD channels for connecting ATI's EMX and EDAQ data acquisition modules
- (2) CAN FD channels for connecting generic CAN devices (similar to ATI's CANary FD product)
- Support for CAN FD and classic CAN on each of the 4 channels at up to 8Mbps data rate
- Galvanic isolation, physical termination switches and LED status indicators for each CAN channel
- All-new hardware design with auto-resetting current limiting circuit for enhanced power protection
- USB 2.0 connection (480Mbps) to the VISION host PC

DATA ACQUISITION

ECU CALIBRATION

ECU RAPID PROTOTYPING

TEST CELL MEASUREMENT

Description

As a direct performance upgrade for the VNH1 (for non-logging applications), the VNH2 features two separate Instrumentation CAN FD channels at up to 8Mbps each, allowing higher data rates and full support for both EMX 2.0 and legacy EMX/EDAQ modules. Two additional CAN FD / Classic CAN channels on an industry standard DB-9 connector interface to generic CAN devices similar to the ATI CANary FD. The VNH2 enclosure is also mechanically compatible with the VNH1 and uses both the same connectors and cabling for a drop-in replacement.
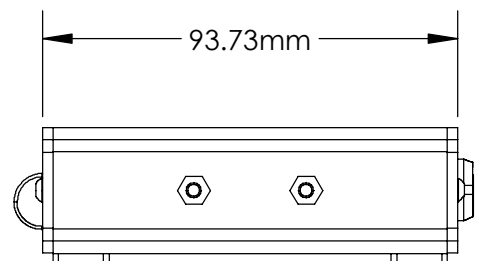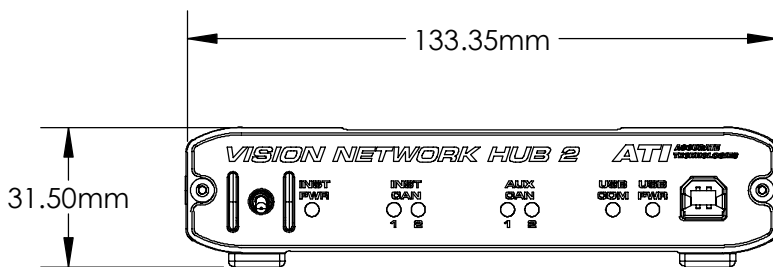

Specifications

Description	
Application Interface	VISION Calibration and Data Acquisition Software
Compatibility	VISION 7.0+
CAN Channels	(4) CAN FD / Classic CAN at up to 8Mbps
LED Indicators	(1) Instrumentation power status (1) USB power status (5) CAN/USB communication status
Switches	(1) Instrumentation power on/off (4) CAN bus termination on/off
Isolation	Independent galvanic isolation for each CAN channel
Connectors	(1) USB connection to PC (high-retention) (2) Lemo 1B Series 5-pin CAN/power for ATI DAQ hardware (1) DB-9 for 2 channels of generic CAN devices (pins 2/7 and 1/8) (1) Lemo 1B Series 3-pin for Instrumentation power input
Power Consumption	USB - 1.1W Instrumentation power - pass-through to devices
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F
Construction	Rugged aluminum enclosure
Dimensions	135.35 x 93.73 x 31.5 mm / 5.33 x 3.69 x 1.24 in
Weight	292 g / 13.0 oz
Warranty	3 years

Order Information

Product	
Part Numbers	**Description**
153-0015	VISION Network Hub 2 (VNH2)

Order Information

Accessories		
Part Numbers	**Description**	
Communication		
150-0017 150-0018 150-0019	1.83m/6ft 3.66m/12ft 10.1m/33ft	Cable; EDAQ to EDAQ; LEMO 1B 5-pin plug, 180°/180°
150-0021 150-0022 150-0023	3.66m/12ft 10.1m/33ft 1.83m/6ft	Cable; VNH2 to EDAQ; LEMO 1B 5-pin plug, 90°/180°
150-0128-15FT 150-0128-12FT 150-0128-6FT 150-0128-12IN 150-0128-6IN	4.57m/15ft 3.66m/12ft 1.83m/6ft 0.30m/1ft 0.15m/6in	Cable; VNH2 to VID or EMX; LEMO 1B 5-pin plug to LEMO 1F 5-pin plug 2
USB/Power		
150-0002	10.1m/10ft	Cable; Rugged USB A-B; connectors supports -40 °C to 105 °C
150-0010-6FT 150-0010-12FT 150-0010-33FT	1.83m/6ft 3.66m/12ft 10.1m/33ft	Cable; VNH2 power cable; LEMO 1B 3-pin plug to banana jacks
150-0024		U-adapter; joins CAN connectors for stacked VNH2 and VOM; LEMO 1B 5-pin, 90°
150-0025		U-adapter; joins power connectors for stacked VNH2 and DC booster; LEMO 1B 3-pin, 90°
Hardware		
151-0009		Bracket; side mounting; for stacked VNH2 and/or auxiliary modules
I/O Cables / Connectors		
150-0196	15.24cm/6in	CAN splitter cable
150-0224	8ft	OBDII cable

133.35mm

31.50mm

VISION NETWORK HUB 2

93.73mm

ATI ACCURATE TECHNOLOGIES

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V3 US - VISION Network Hub 2