

Vehicle Fleet and In-Vehicle Network Data Logger:

- 4 x CAN / CAN-FD Channels
- Wireless Data Transfers / Configurations
- Remote Diagnostics
- OEM Vehicle Diagnostics Interface via J2534 Pass-thru



Precise



Rugged



Simple



What is it?

SierraDT is an in-vehicle Data Logger, designed to offer reliable & precise data logging solutions for automotive networks.

Key Points:

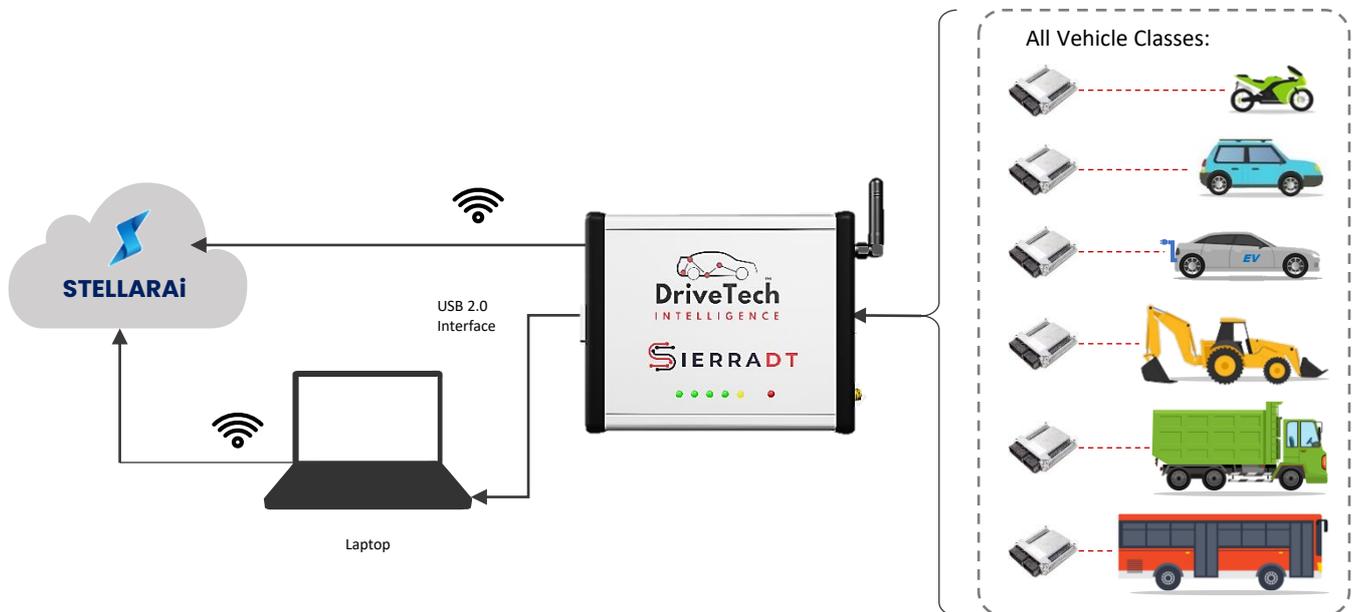
- Supports CAN, CAN FD & DoIP
- Ethernet (GbE), USB, WiFi & GPS
- PC Utility for
 - Device Configuration
 - Data Retrieval & Streaming
- Rugged construction with IP60, for harsh environments.
- High Timestamp Accuracy ~ 50 Nano Seconds.
- Seamless connectivity with DriveTech's StellarAi web-based Data Analytics Platform.



Where is it used?

- Live Network Monitoring
- Agriculture / Special Purpose Machines
- Black box device or Flight Recorder
- Vehicle Fleet DAQ
- Wireless DAQ & Configuration
- Vehicle Outdoor Testing
- Lab Car / Plywood Buck
- Remote Diagnostics

Data Flow:



Features:



4 x CAN / CAN-FD Channels



Analog & Digital Inputs



FPGA Architecture



Micro SD Storage: 32 to 128 GB



GPS & GLONASS Enabled
Frequency: 10 Hz



Pass-thru Support



USB 2.0 Interface



Remote Diagnostics



Wireless Connectivity



Timestamp Accuracy
~50ns



Trigger Functions



CAN – Sleep & Wake

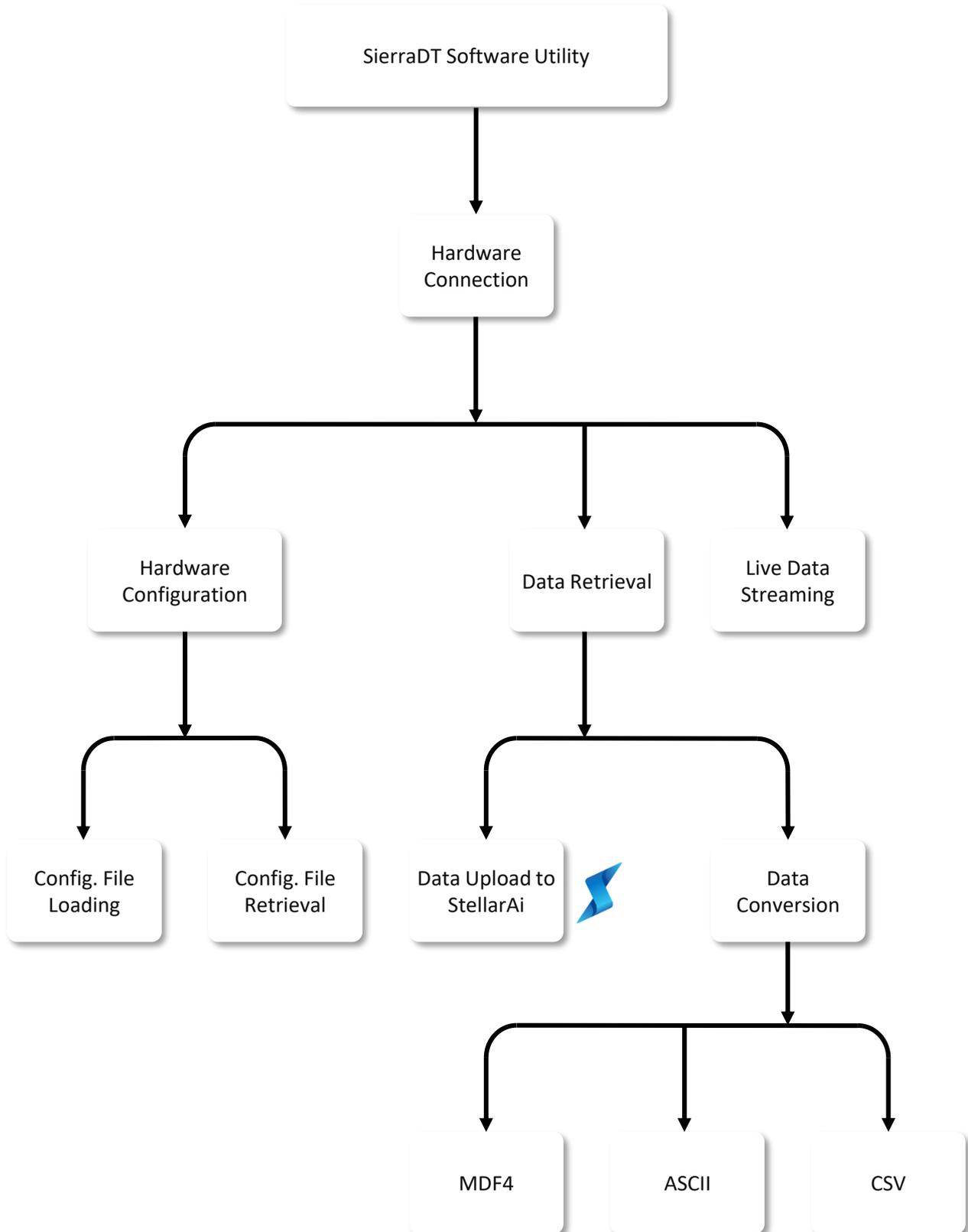


Internal Clock



Rugged Enclosure

SierraDT Utility Software:

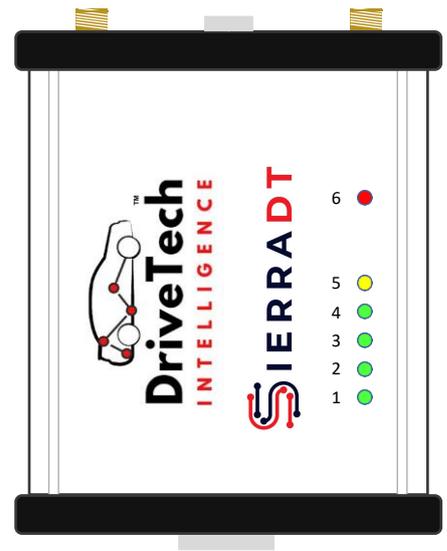
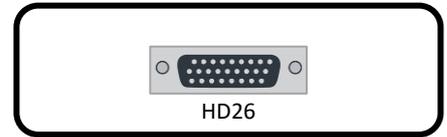
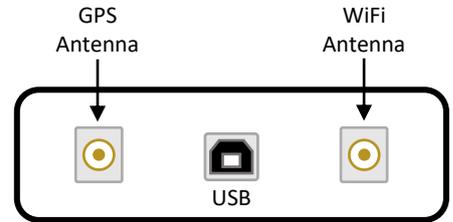


Technical Specifications:

Sr. No.	Description	Specifications
1	Operating System	Embedded
2	Storage Medium	SD Card (200mbps enabled)
3	Storage Specifications	32~ 128 GB
4	Voltage Supply	6 ~ 36 V DC
5	Power Consumption	< 5 W
6	Temp Range	-40 ° C to 85 ° C
7	IP Rating	IP 60
8	On Board Scripting	Yes - Coming Soon
9	On Board Math Logic & Operations	Start & Stop Trigger Error-based conditions Logging type
10	Wake Up ON CAN	Yes
11	No Message Lost	Yes
12	Ethernet Interface	10 / 100 / 1000 Gigabit Ethernet
13	CAN CAN FD Channels	4
14	GPS	10 Hz GPS & GLONASS
15	J1939	Yes – Coming Soon
16	OBD-II SAE J1979	Yes – Coming Soon
17	Wi Fi	2.4 GHz (Wi Fi 802.11 b/g/n)
18	OTA Configuration Upload	Yes
19	USB Configuration Flash	Yes
20	Standalone Trace	Yes
21	J2534 Pass thru Support	Yes Ideal for Automaker's VCI (Vehicle Connection Interface)
22	Inputs & Outputs (IO's)	Analog input : 2 , Digital input : 1, Digital Output: 1

Pinout:

Pin. No	Pin Name	Description
1	ETH TX +	Ethernet Transmit Channel – Positive
2	Digital Out	Digital Out
3	ANA_IN_1_OBD	Analog Input_1
4	HS CAN 3 L	CAN Channel 3, Low
5	HS CAN 2 L	CAN Channel 2, Low
6	HS CAN 1 L	CAN Channel 1, Low
7	HS CAN 0 L	CAN Channel 0, Low
8	Digital IN OBD	Digital Input (Button)
9	Signal GND	Signal GND
10	ETH TX -	Ethernet Transmit Channel - Negative
11	ETH RX +	Ethernet Receive Channel - Positive
12	GND	Ground
13	ANA_IN_0_OBD	Analog Input_0
14	HS CAN 3 H	CAN Channel 3, High
15	HS CAN 2 H	CAN Channel 2, High
16	HS CAN 1 H	CAN Channel 1, High
17	HS CAN 0 H	CAN Channel 0, High
18	NC	NC
19	VBATT	DC Input Battery Power
20	ETH RX -	Ethernet Receive Channel - Negative
21	NC	NC
22	NC	NC
23	LIN_1	LIN Channel 1
24	Start_Stop_Switch_OBD	Start_Stop_Switch_OBD
25	ETH ACTIVATE	Ethernet Activation Line
26	NC	NC
27	EARTH	Earth to Enclosure Body
28	EARTH	Earth to Enclosure Body



LED No.	Color	Indication
LED 1	Green	CAN 1
LED 2	Green	CAN 2
LED 3	Green	CAN 3
LED 4	Green	CAN 4
LED 5	Yellow	SD card
LED 6	Red	Error

Ordering Information:

Product	Description
SierraDT	SierraDT Device, USB A (Male) to USB B (Male) Cable, and PC utility Software



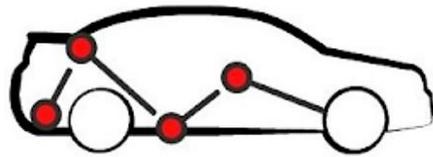
- Available on service requests basis for your urgent needs.
- Comprehensive End-to-End DAQ Services by a team of expert field professionals.
- DriveTech also offers free-of-cost data analysis for pilot projects via our StellarAi Data Analytics Platform; promising to deliver you the analytics & insights at the end of your tests!

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SCAN TO GET IN TOUCH





TM

DriveTech

INTELLIGENCE

Making sense of Data...

