**DANLAW**
AUTOMOTIVE MADE SMART

Gateway

Danlaw's Gateway is a product of our DataLogger Ecosystem, serving our customers with millions of devices and billions of miles. Our products give you the opportunity to engage with your customers in their vehicles and turn every ride into a story. Our Ecosystem consists of our award winning DataLogger, Gateway, Smart Connect, and Vision products.
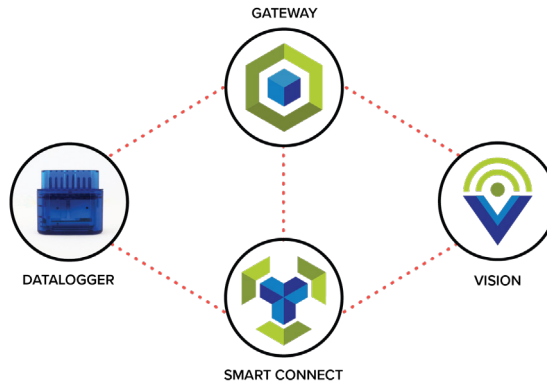

How It Works

The Gateway serves as a device listener and management service to efficiently collect data and manage the DataLogger devices.

The DataLogger acquires vehicle data through the vehicle OBD-II port and interacts with the Gateway to transfer data. The communication is always initiated by the DataLogger. When the DataLogger first requests a connection to the Gateway, it reports the reason for connection.

The DataLogger uses TCP and UDP communication protocols for transmitting trip data. The DataLogger authenticates with the Gateway. Once the Gateway receives the data, it will perform integrity checks before passing the data to downstream interfaces.

The Gateway is also responsible for initiating the DataLogger Firmware Over the Air (FOTA) updates. FOTA refers to a process implemented by the customer whereby firmware and/or a configuration file provided by Danlaw is used to remotely update the DataLogger.

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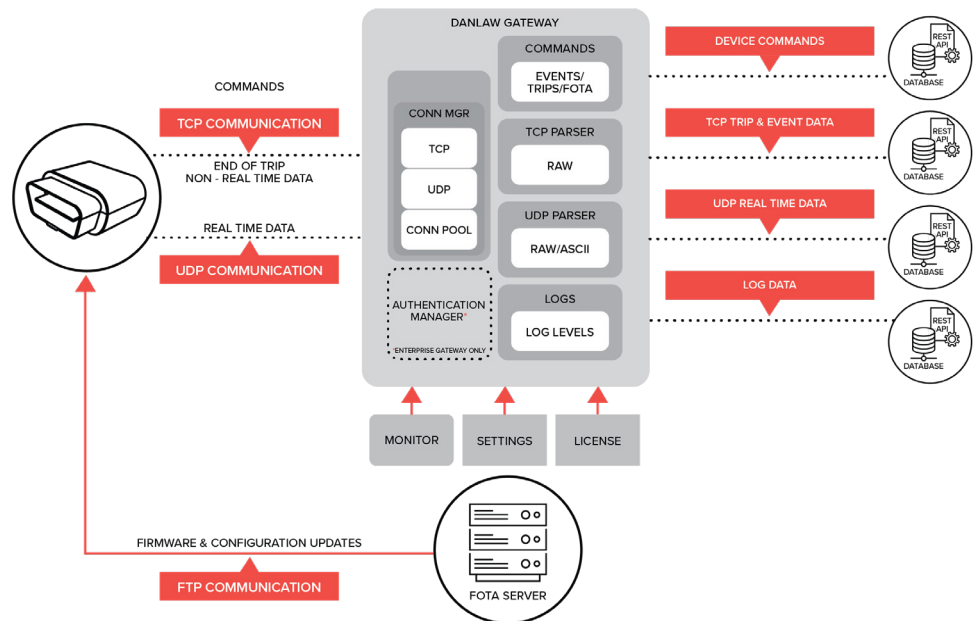
Gateway

Product Features

Feature	Standard	Enterprise
Multi Protocol Support for Devices	●	●
TCP for Non Real Time/End of Trip	●	●
UDP for Real Time/In Trip	●	●
Command and Control	●	●
Concurrent Connections/Sessions	●	●
Parsing Capabilities for Real Time Data	●	●
Output to Database and REST Services	●	●
Advanced Monitoring and Logging	●	●
Software Licensing	●	●
Linux & Windows OS Support	●	●
Device Authentication	●	●
Secure Communication (AES/TLS)		●
Data Encryption (AES)		●

Software Requirements

	Standard	Enterprise
JAVA JRE v1.8	●	●
Linux: RHEL and CentOS v7	●	●
Microsoft: Windows Server 2012+	●	●

Hardware Requirements (example using RHEL)

	Standard	Enterprise
Dual Intel Xeon/AMD Opteron Processor	●	●
8 GB RAM	●	●
1 GB Ethernet	●	●
100 GB Storage (dependent on logging settings)	●	●

Security Requirements

	Standard	Enterprise
TLS v1.2 mutual authentication certificates are supported for all external REST interfaces	●	●
External key management system to provide authentication and communication keys via a secured REST API		●

Licensing

A valid license is required to use the Gateway on any machine. Gateway licensing is primarily based on IP address validation. Additional validations may be present based on the license type.

- **Cloud Licensing:** This is issued to Gateways running on Cloud instances. Cloud Licensing uses built in IP lookup web service. Licenses can be generated for IP ranges or classless inter-domain routing (CIDR) based on customer request.

- **Local Licensing:** This is issued to Gateways running on local infrastructure. Local Licensing utilizes server based IP lookup for license validation. Local Licenses can be generated for an IP range and the licenses will be valid for any machine within that IP range. Local Licensing supports machines with multiple NICs or IP addresses.

A valid license is required to use Danlaw's Gateway products. Licenses are issued on an annual basis and can be renewed via the Annual Maintenance Agreement. A valid license is required to provide product updates and technical support.

Support

Basic support is included with the purchase of our products. We have multiple support options with dedicated technical contact to meet your needs. Support can be renewed via the Annual Maintenance Agreement.

Contact Us

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