



Captium™

Captium Connect Specification

IDEX Fire & Safety

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Designed and developed exclusively for emergency responder apparatus, a Captium vehicle telemetry control unit shall be capable of installation on new vehicles and retrofit on existing vehicles to provide users access to information collected from their apparatus via a secure cloud data hub that guarantees secure communication via encrypted channels from any web browser.

The Captium vehicle telemetry control unit shall connect to the Captium cloud data hub via integrated cellular modem and GPS or optionally interoperable with an onboard mobile modem/router in lieu of integrated cellular modem via ethernet connection or optionally to any allowable Wi-Fi hotspot priority will be to connect to ethernet connection when available.

The Captium vehicle telemetry control unit shall be compatible with OBDII, J1939, V-MUX and Es-Key networks and authorized firefighting waterflow systems such as pump governors and other vehicle-networked equipment.

The Captium Data Hub shall display:

- Each vehicle identified by VIN and user-defined identification name / number.
- Location of vehicle by GPS
- Last update time
- Chassis health and diagnostics
- Vehicle alert notifications and maintenance reminders
- Run log recording
- Over-the-air programming updates
- Data logging
- Out-of-service indicators

Data Hub Security

- Microsoft Azure infrastructure

Chassis information

- Engine speed
- Coolant temperature
- Maximum coolant temperature with time/date stamp
- Battery voltage
- Throttle
- DTC error / trouble codes
- Vehicle Speed
- Transmission Oil Temp
- Fuel level
- Mileage

Pumping engine

- Engine hours
- Engine RPM
- Pump engine idle time in past 24 hours
- Coolant temperature
- Maximum coolant temperature with time/date stamp
- Intake air temperature
- Ambient air temperature
- Maximum ambient air temperature
- Ambient barometric pressure
- Oil pressure
- DTC error / trouble codes

THE TRUSTED BRANDS OF IDEX FIRE & SAFETY



Multi-plex system

- Remote diagnostics access for V-MUX or ES-Key-based systems
- The telematics system's manufacturer shall have interoperative agreements in place with third-party telematic information services including Cummins connected Diagnostics™ and Haas alert.
- The telematics system shall include 5 years of cloud access to the Captium Data Hub
- The telematics system shall be Captium, as provided by Weldon, a division of Akron Brass, a trusted IDEX Fire & Safety brand, no exceptions.

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