THE CONNECTED SCHOOL BUS

MODERNIZE BUS FLEET OPERATIONS WITH IoT AND CLOUD ANALYTICS

For parents, students and administrators, safe and reliable transportation is a daily expectation. And yet the insight that helps create that safety and reliability — necessary information like adherence to routes, unsafe driving reports and maintenance issues — is often out of the transportation team's sightline.

As fleets age, keeping large numbers of buses on schedule and on route requires full, accurate visibility into fleet functions. That's where the connected devices of the Internet of Things (IoT), combined with the power of cloud analytics, come in.

THE CDW SOLUTION: CONNECTED SCHOOL BUS POWERED BY SAMSARA

samsara

CDW and Samsara offer a solution that answers today's evolving fleet needs with a next generation solution that provides enhanced visibility to the operation of each bus. New sensors provide real time location tracking, telematics, dash camera video, and collect driver and bus statistics — all delivered as one integrated, easy-to-use, and affordable system.

Samsara advantages for school bus fleets:

Keep students safe with to-the-second location, route insights and high-definition video

Employ data and video insights to train drivers, expedite insurance claims, and exonerate operators from fault should an accident occur

Leverage a cloud-based dashboard that delivers a unified, real-time picture of bus movement

Enhance understanding of vehicle condition and driver behavior to help teams avoid problems before they happen
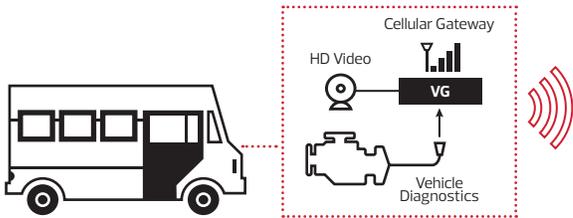
WHY CDW?

We help customers accelerate the transformation of their business to compete in a rapidly changing digital world. Our expert Business Architects orchestrate people, process, technology, and partners to deliver solutions that enable desired business outcomes.

SNAPSHOT OF FEATURES

· Real-time bus location tracking

· Routing analytics and complete trip history

· Route reporting of on-time, late, and missed stops

· Stop paddle and emergency light monitoring

· Dash camera to capture critical driving events

· Safety and engine fault alerting

· Maintenance reporting: engine, fuel usage and idle time

· No separate cellular plan required (included in license)

CDW PEOPLE WHO GET IT

THE CONNECTED SCHOOL BUS HAS ARRIVED

HD Video
Cellular Gateway
VG
Vehicle Diagnostics

Samsara digital solutions for fleet management
Easy. Versatile. Effective.

CDW and Samsara have partnered to offer an integrated fleet management solution that answers the many-sided challenge of efficiency, safety and cost control.

SAFEGUARD STUDENTS

Speeding by just 15 MPH increases the risk of an accident by 67%.[1] Samsara's fleet safety reports and real-time alerts identify risky driver behavior, so it can be corrected before an accident happens.

Source: [1]American Transportation Research Institute. *Predicting Truck Crash Involvement: Developing a Commercial Driver Behavior-Based Model and Recommended Countermeasures: 2011 Update.* Alexandria, Virginia. October 2011.

REDUCE LABOR AND FUEL COSTS

Driver behavior can impact fuel consumption by up to 33%.[2] Samsara's on-demand reports and real-time alerts identify fuel waste. Route analytics helps reduce unnecessary miles, saving both fuel and labor costs.

Source: [2]U.S. Environmental Protection Agency (EPA). *Fuel Economy Guide 2016.* Laurel, Maryland. 2016.

STREAMLINE MAINTENANCE

Optimizing fleet maintenance can save between 10% and 20% in repair costs.[3] Samsara's over-the-air vehicle diagnostics, engine utilization reports and real-time fault code alerts help maintenance departments prevent breakdowns and automate routine inspections.

Source: [3]Accenture. *2012 Accenture Federal Fleet Management Improving Fleet Efficiency and Compliance through Best Practices.* Washington, D.C. 2012.

A SIMPLE SOLUTION WITH POWERFUL CAPABILITIES

Samsara Vehicle IoT Gateway
Cellular vehicle gateway with GPS and diagnostic port interface. Fleet maintenance personnel can easily and quickly perform installation – no IT expertise required.

Samsara Connected Dash Camera
Web-based, high-definition video of critical events can be used to coach unsafe drivers and help ensure student safety.

Cloud-Based Dashboard
Real-time platform with live updates, analytics and complete visibility to vehicle status, driver behavior, safety alerts and maintenance are accessible anywhere.

THE CONNECTED SCHOOL BUS STANDARD BUNDLE

Purpose-built IoT gateways allow critical data to flow from a vehicle's onboard Samsara sensors and cameras, through a secure cellular network, to the cloud-based analytics and visualization platform.

The Connected School Bus Standard Bundle includes (per bus):

- One Samsara Vehicle IoT Gateway
- One Samsara Connected Dash Camera
- One Samsara Wireless Driver ID Token
- Samsara cloud software subscription license

Optional Add-ons to expand the capabilities of the Standard Bundle solution include integration of a Panic Button for enhancing bus safety and the SmartStop mobile app for giving parents direct visibility to bus location and estimated time of arrival.

CDW's Business Architects can help tailor additional solutions for advanced needs such as onboard WiFi, additional cameras, student tracking, and more.

Want more information? Or a demo of the Samsara solution?
Start your digital transformation here:
CONTACT YOUR CDW ACCOUNT MANAGER AT 800.800.4239

CDW
PEOPLE WHO GET IT