

MOTORSPORT TELEMETRY PLATFORM



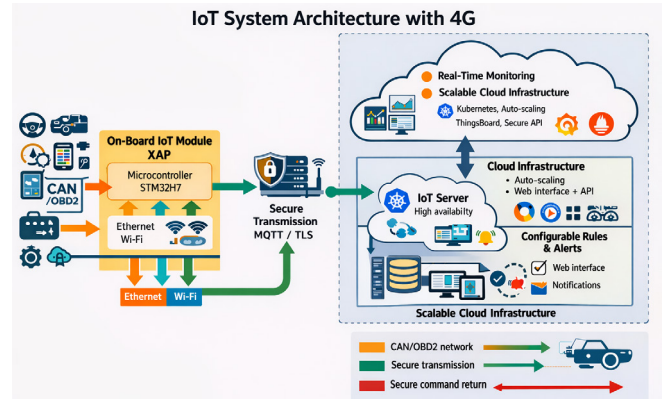
XAP EXPERTISE IN DATA & MOTORSPORT SYSTEMS

XAP leverages decades of experience in motorsport electronics, data acquisition and embedded systems to deliver advanced data visualization solutions tailored for high-performance environments.

The XAP Motorsport Data Visualization Platform enables teams and engineers to monitor, analyze and optimize vehicle performance in real time, whether on track or remotely.

Designed to operate with the XAP 4G Telemetry Module or with other compatible data sources, the platform provides a flexible and scalable solution for modern motorsport operations.

The XAP system goes far beyond traditional telemetry solutions by integrating advanced IoT capabilities. This approach enables not only monitoring, but active supervision, predictive analysis and remote operations.



REAL-TIME PERFORMANCE MONITORING & REMOTE ENGINEERING

REAL-TIME DECISION-MAKING ENGINE:

Transform live telemetry into actionable insights with real-time processing and instant data visualization.

MOTORSPORT-ORIENTED DASHBOARDS:

Custom interfaces designed for engineers, drivers and team managers, with intuitive and high-performance data visualization.

ACTIVE SYSTEM WITH REMOTE CONTROL:

Go beyond monitoring with bidirectional capabilities: send commands, update configurations and trigger actions remotely.

HIGH-AVAILABILITY CLOUD INFRASTRUCTURE:

Built on a resilient and scalable architecture ensuring continuous operation, even in high-demand race environments.

PREDICTIVE MONITORING & SMART ALERTS:

Detect anomalies automatically and trigger alerts before issues impact performance or reliability.

MULTI-VEHICLE & TEAM MONITORING:

Track and manage multiple vehicles simultaneously with a centralized and structured overview.

FLEXIBLE DATA INTEGRATION:

Compatible with the XAP 4G module or third-party data acquisition systems.

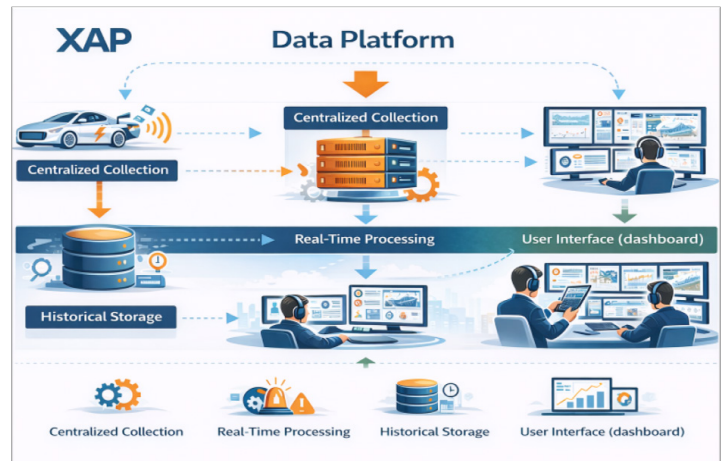
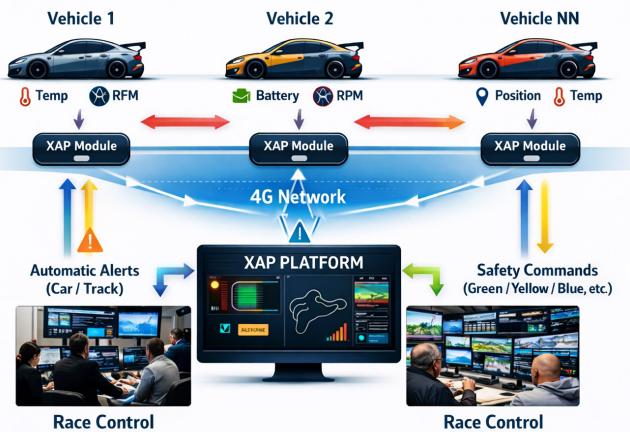
SECURE & CONTROLLED DATA ACCESS:

Advanced user management and secure access ensure the right data is available to the right people at the right time.



► MODULE: **TELEMETRY IOT PLATFORM**

Real-Time Marshalling & Remote Control



PLATFORM SPECIFICATIONS

Access	Web-based platform
Cloud infrastructure	Kubernetes-based architecture
Users	Role-based permissions
Data access	Real-time & historical
Monitoring tools	Prometheus / Grafana compatible
Security	Token authentication
Fleet management	Multi-device supervision

VISUALIZATION

Dashboards	Fully customizable
Charts	Time series / KPIs / multi-views
Layout	Multi-screen support
Interface	User-friendly UI

DATA MANAGEMENT

Data sources	XAP module or compatible systems
Data types	CAN / sensors / GPS / computed data
Update rates	Up to 20 Hz (depending on source)
Cloud storage	secure cloud environment

CORE FEATURES

Live Monitoring	Real-time telemetry dashboards Key parameter tracking Multi-screen visualization
Performance Analysis	Session comparison Data history access Trend analysis
Alert Management	Threshold-based alerts Real-time notifications Event logging
Team Collaboration	Multi-user access Remote engineering support Shared dashboards