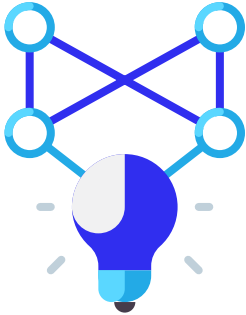


Unlock Seamless V2X Communication with ITS Runtime Middleware



The Foundation for Intelligent Mobility

In the rapidly evolving landscape of Intelligent Transportation Systems (ITS), reliable and efficient communication is paramount. **ITS Runtime Middleware from ASN.1 Tech** provides the essential foundation for seamless Vehicle-to-Everything (V2X) communication, enabling safer, smarter, and more efficient transportation.

Key Challenges We Address:

- **Interoperability:** Ensuring seamless communication between diverse ITS applications and devices.
- **Real-time Performance:** Delivering low-latency data exchange for critical safety applications.
- **Standard Compliance:** Adhering to relevant ITS standards for global compatibility.
- **Complexity Management:** Simplifying the development and deployment of V2X solutions.

Key Features and Benefits of ITS Runtime Middleware

- **Standard-Compliant Implementation:** Fully compliant with major ITS standards, including ETSI ITS G5 (EU), WAVE (US), DSMP (CN) and others, ensuring global interoperability.
- **Efficient Data Handling:** Optimized for efficient encoding and decoding of ITS message sets (e.g., CAM, DENM, BSM), minimizing processing overhead and latency.
- **Flexible Communication Stack:** Supports various communication interfaces and protocols, adapting to different deployment scenarios.
- **Modular and Scalable Architecture:** Designed for easy integration with existing ITS applications and scalable to accommodate future growth.
- **Robust and Reliable:** Built for mission-critical applications, ensuring dependable and secure data exchange.
- **Simplified Development:** Provides a well-defined API, streamlining the development process and reducing time-to-market.
- **Cross-Platform Compatibility:** Supports various operating systems and hardware platforms for flexible deployment options.



Empowering Your ITS Innovations

ITS Runtime Middleware from ASN.1 Tech empowers developers and organizations to build innovative and reliable ITS solutions, including:

- **Cooperative Awareness Systems:** Enabling vehicles to share information about their status and surroundings.
- **Decentralized Environmental Notification Systems:** Facilitating the dissemination of hazard warnings and traffic information.
- **Traffic Management and Optimization:** Supporting intelligent traffic flow control and congestion reduction.
- **Automated Driving Systems:** Providing a crucial communication layer for autonomous vehicles.
- **Infotainment and Value-Added Services:** Enabling the delivery of real-time information and services to drivers and passengers.

Ready to accelerate your ITS development?



Contact us today to learn more