

CANpression

CAN Message Frame Compression & Authentication

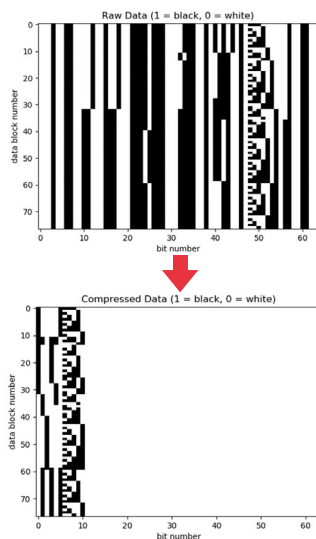
TECHNOLOGY:

Arilou CANpression extends the viability of legacy and current **Controller Area Networks (CAN)**. Multipurpose, the solution is designed to reduce network overhead – enabling advanced architecture design – and support message authentication for advanced cyber-security features.

- **Frame Compression**
 - Reduced network overhead
 - Improves network performance and bandwidth capacity
- **Message Authentication**
 - Reduced frame size allows for optional MAC code integration and authentication

BENEFITS:

Software-based, **CANpression** is lightweight and unobtrusive. As modern in-vehicle networks become more complex, our solution allows for greater efficiency in CAN architecture designs.



- **Software-Based** – No heavy resources required allowing for the use of traditional CAN architectures, reducing cost.
- **Compact** – Lightweight, unobtrusive code allows for optimal performance.
- **Lossless** – No data is lost during the compression and decompression process.
- **Stateless** – Messages can be compressed and decompressed independently.

ABOUT ARILOU:

Israel-based Arilou, part of NNG Group is the leading provider of pioneering cyber-security solutions for the automotive industry, and first to introduce CAN and Ethernet in-vehicle network security.

Winner of Frost & Sullivan's 2019 Technology Innovation award, and independently tested by UMTRI, with perfect results, its parallel intrusion prevention system (PIPS), and software intrusion detection and prevention system (IDPS) offer supreme detection and prevention rates with zero false alarms.

With its holistic approach and low-cost multi-layered solutions, Arilou is making full protection for vehicles a reality.

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