

S32G VEHICLE NETWORK PROCESSING GOLDBOX (S32G-VNP-GLDBOX)



Supports Service-oriented Gateways, Vehicle Compute and Domain Control Applications

The S32G-VNP-GLDBOX is a compact, highly optimized and integrated reference design featuring the S32G Vehicle Network Processor. With its high-performance computing capacity and rich input/output (I/O), the GoldBox can provide reference for a variety of typical automotive applications, such as service-oriented gateways, vehicle central compute, domain controllers, safety processors and black boxes. Carmakers, suppliers and software ecosystem partners can directly use the GoldBox to help accelerate development for shorter time-to-market.

TECHNICAL HIGHLIGHTS

- Ideal for development, evaluation and proof-of-concept demonstrations
- Rugged enclosure with integrated thermal management
- Hardware Security Engine (HSE), Ethernet Package Forwarding Engine (PFE) and Low Latency Communications Engine (LLCE)
- Multiple network interfaces with 18 CAN/CAN FD and 12 Ethernet ports
- M.2 slot support for SSD storage and AI/ML acceleration modules
- Power management IC strengthens functional safety design

