



CyberCogs CC-SGM100 Secure Gateway

HARDWARE SPECIFICATIONS

- **Dimensions:** 77w x 102d x 25h (mm)
- **Power:** 6-36VDC
- **Communication Ports:**
 - 4 CAN FD bus ports
 - 2 USB3.1 port (high speed)
 - 1 OBD II port with:
 - 2 CAN FD
 - 1 ISO 9141 bus
 - 1 SAE J1850 bus
- **Input/output ports:**
 - 8 reprogrammable Analog/Discrete I/O
 - Analog inputs with 12 bit resolution
 - Mixed signal input for steering switches
 - Discrete inputs, programmable thresholds
 - Discrete outputs:
 - Low Side drive
 - High Side drive
- **Processor:** Dual core ARM Cortex M7
- **Memory:**
 - 4MBytes flash with ECC protection
 - 512KBytes of RAM with ECC protection
 - 1Gbyte of storage (optional)
- **Package:** ABS black plastic – UL 94 V0
- **Temperature range:** -40 to 95C

ADDITIONAL FEATURES

- ISO26262 , ASIL-A compliant
- USA designed and manufactured
- Integrated HSM
- ChargeAuth pre integrated
- Secure boot
- Secure internal key storage for signing, verification, and encryption in secure module subcomponent

SOFTWARE FEATURES

- Adaptable Software with modular design for easy integration, performing all gateway functions
- ISS FlexHSM pre-ported through partnership with ISS
- ISS FlexUpdate pre-ported through partnership with ISS
- ISS DLM Trust for provisioning through partnership with ISS
- Secure communication available through DLM Trust (available through partnership with ISS)
- ISS DLM Update for OTA Updates of any ECU including CyberCogs SGW through partnership with ISS
- ISS AutoAuth ready for CyberCogs SGW
- Software developed to Autosar coding guidelines



CyberCogs CC-SGM100 Depiction

