



WARWICK

CONTROL TECHNOLOGIES

NMEA2000/ J1939 Protocol Stack Feature Support

Feature	NMEA2000 Stack Feature STM32 Protocol Stack Kit	J1939 Stack Feature
	(mandatory=mandatory for protocol, optional=optional protocol feature)	
Address Claim (PGN 60928 / EE00) Tx on start startup	Yes (Mandatory)	Yes (Optional)
ISO Request / Request PGN (PGN 59904 / EA00) for Address Claimed (PGN 60928 / EE00)	Address Claimed (EE00) (Mandatory) Other PGNs - user to implement	Yes (Optional)
ISO Request / Request PGN (PGN 59904 / EA00) for Product Info (PGN 126996 / 1F014)	Fully implemented. Values need changing for target product (Mandatory)	Not Required
ISO Request / Request PGN (PGN 59904 / EA00) for Config Info (PGN 126998 / 1F016)	Fully implemented. Values need changing for target product (Mandatory)	Not Required
ISO Request / Request PGN (PGN 59904 / EA00) for Tx/Rx PGN List (PGN 126464 / 1EE00)	Fully implemented. Values need changing for target product (Mandatory)	Not Required
Commanded Address (FED8) (BAM)	Mandatory	Optional
Broadcast Announcement Message (BAM) (EC00, EB00)	Mandatory for Commanded Address	Optional
Connected Management Data Transfer (CMDT) (EC00, EB00)	Mandatory	Optional
Fast Packet Protocol	Mandatory	Not Required
Heartbeat (PGN 126993 / 1F011)	Mandatory	Not Required
Complex Request (PGN 126208 / 1ED00) for Address Claimed (PGN EE00)	Address Claimed (EE00) (Mandatory) Other PGNs - user to implement	Not Required
Complex Command (PGN 126208 / 1ED00)	Mandatory Example implementation	Not Required
CAN Error Monitoring (Receive Error Counter and Bus State)	Yes (Optional)	Yes (Optional)
Device Online Manager (Track Devices Online)	Yes (Optional)	Yes (Optional)

UDS/ISO-TP	Not Required	Transport Protocol Implemented with Framework for Some Basic Services
J1939-73 Diagnostics	Not Required	Not implemented User to use the stack's BAM and ISO request services to implement DM01 etc.