

Carraro Electronic Control Unit NEX



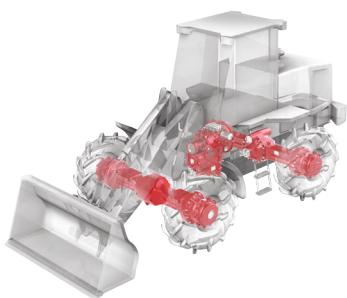
Specifications

Customized solution to fit the Carraro products control requirements assuring the best system performances. Co-designed with a premium automotive electronic supplier company. Standardized software solutions customizable according customer requirements. Suitable for Functional Safety Projects.

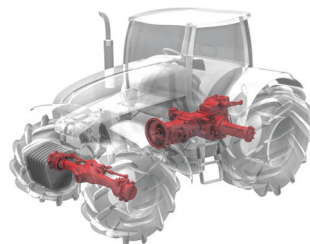
Advantages

- › Powerfull solution for cost effective applications
- › Automatic code generation from model based design approach
- › Capable of supporting various CAN protocols, including XCP, SAE J1939, KWP2000 and UDS
- › Suitable to be integrated in the customer service tool or Carraro service tool supported

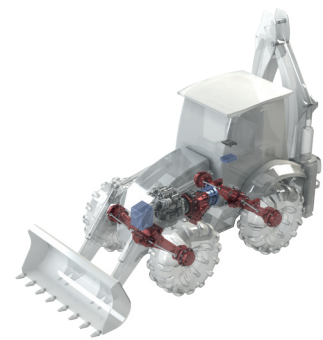
Applications



Construction Equipment



Agriculture



Hybrid Powertrain

Electronic Control Unit

NEX

INTERFACE

Supply voltage	9 - 16 Vdc (nominal 12 Vdc)
Analog inputs	8x multifunction (voltage, current, resistance, digital PU/PD)
Digital inputs	13x multifunction (digital PU/PD, frequency)
Frequency inputs	13x multifunction (digital PU/PD, frequency)
PWM outputs	4x 2.5A switch to supply up to 5kHz with current sense
Digital outputs	7x 2.5A switch to supply (also open loop PWM up to 250Hz) 2x 2.5A switch to ground (also open loop PWM up to 250Hz)
Output supply	1x 100mA (5Vdc or 8Vdc configurable)
Communication	2 CAN bus compliant with CAN 2.0b specifications (SAE J1939 / ISO 11783 / ISO 11898 / ISO 14229)

GENERAL

Operating temperature	-40/+85 °C
Protection rating	IP67
Electrical connections	48 pin
Housing material	Aluminium
Dimensions [for reference only]	185 x 155 x 40 mm
Weight [for reference only]	630 gr.

Block diagram

