ENGICAM
EMBEDDED SOLUTIONS

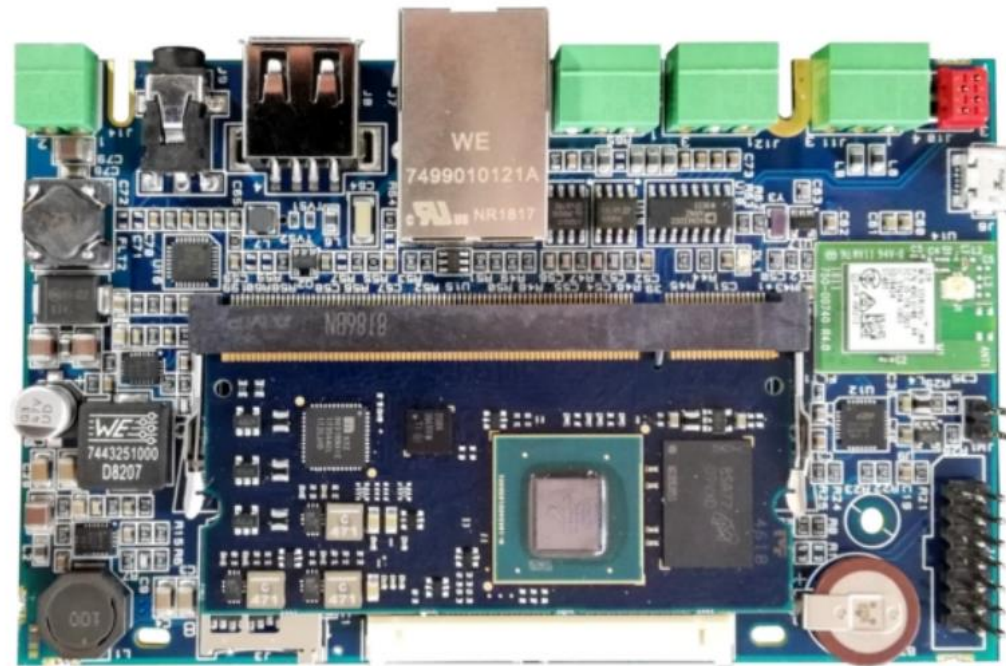# C.Touch 2.0 Carrier Board

General purpose carrier board with capacitive touch interface, EDIMM 2.0 compliant.


SUPPORTED SOMS

- PX30.core series
- i.Core MX8 series
- i.Core STM32 series

APPLICATIONS

Industrial Transportation Robotics Biomedical/ Medical devices Automotive Avionics Surveillance

FEATURES

VIDEO INTERFACE	• 1x general purpose LCD connector: 1x 18 or 24 bit single channel LVDS • Capacitive touch panel operated by USB or I^{2}C • 1x PWM for backlight control • Power supply for LCD (+3V3, +5V, 12V) • 1x LCD connector to drive dual channel displays (option)	
NETWORKING	• 1x 10/100 Ethernet Interfaces • WiFi+ BT	
AUDIO	HP Output Jack	
USB	1 x USB OTG device	
OPERATING TEMPERATURE *	Industrial qualified	

PERIPHERAL INTERFACES	• 1x micro SD
	• 1x CAN bus
	• 1x RS485
	• 1x RS232
	• 1x RS232 for OS Console
	• 1x expansion connector:
	   • I^{2}C
	   • GPIOs
	   • 1 USB + 1 optional
	   • SDIO or SPI dependent on module

POWER SUPPLY	+ 15 – 30 VDC
OPERATING SYSTEM	• Linux, • Android

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.

CABLE MAP

LCD Interface

SD Card

USB - OTG

Console

RS232
TX RX GND

RS485
485 + 485 - GND

CAN Bus
CAN H CAN L GND

Ethernet

Host USB

Audio

Power Supply