ENGICAM
EMBEDDED SOLUTIONS

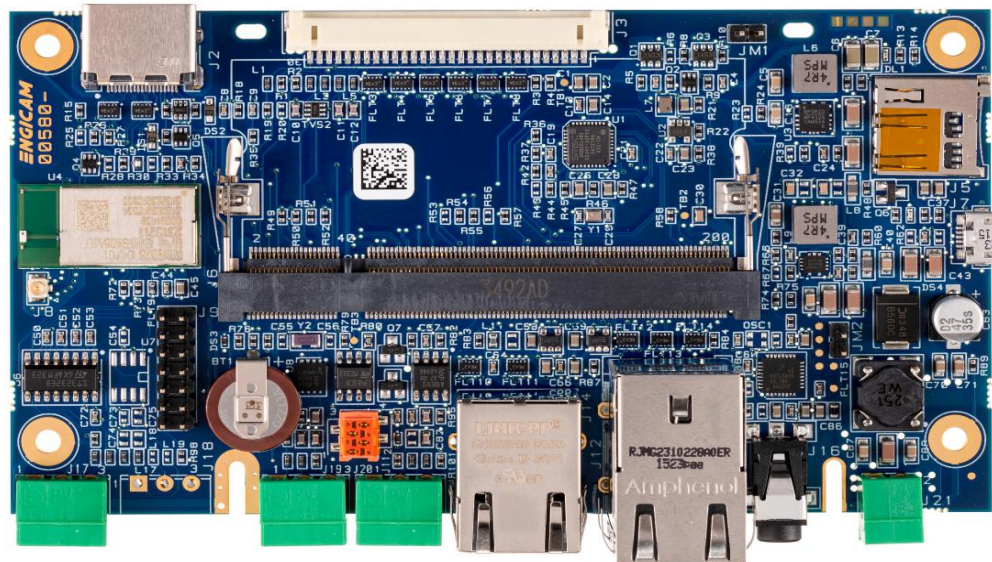# C.Touch 3.0 Carrier Board

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


SUPPORTED SOMS

- i.Core MX8 series
- i.Core STM32MP15 series

APPLICATIONS

Industrial | Transportation | Robotics | Biomedical/Medical devices | Automotive | Avionics | Surveillance

FEATURES

yocto PROJECT · Linux · Android · Windows IoT

	VIDEO INTERFACE	• 1x LCD connector: up to 24 bit single channel LVDS • Capacitive touch panel via USB or I²C • 1x PWM for backlight control • Power supply for LCD (+3,3V, +5V, +12V) • 1x HDMI standard connector (not supported on all SOMs) • 2nd LVDS channel displays (option)
	NETWORKING	• 2x 10/100/1000 Ethernet Interfaces • WiFi+ BT
	AUDIO	• HP Output Jack
	USB	• USB OTG device (Micro USB B type) • 2x USB HOST

	POWER SUPPLY	+ 7 – 30 VDC

	PERIPHERAL INTERFACES	• micro SD
		• CAN bus
		• RS485
		• RS232 (alternative CAN bus option)
		• RS232 for OS Console
		• Spare Connector:
		  • I²C
		  • GPIOs
		  • USB
		  • SPI (module dependent)
		  • Power supply: +3,3V and +5V

	OPERATING SYSTEM	Linux, Android, Windows 10 IoT
	OPERATING TEMPERATURE *	Industrial qualified

* 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.

C.Touch 3.0 Carrier Board

CABLE MAP

HDMI OUT

LCD Interface

SD Card

USB - OTG

Console

RS232 — TX RX GND

RS232 — TX RX GND

RS485 — 485 + 485 - GND

CAN Bus — TX RX GND

Ethernet

Host USB

Audio

Power Supply