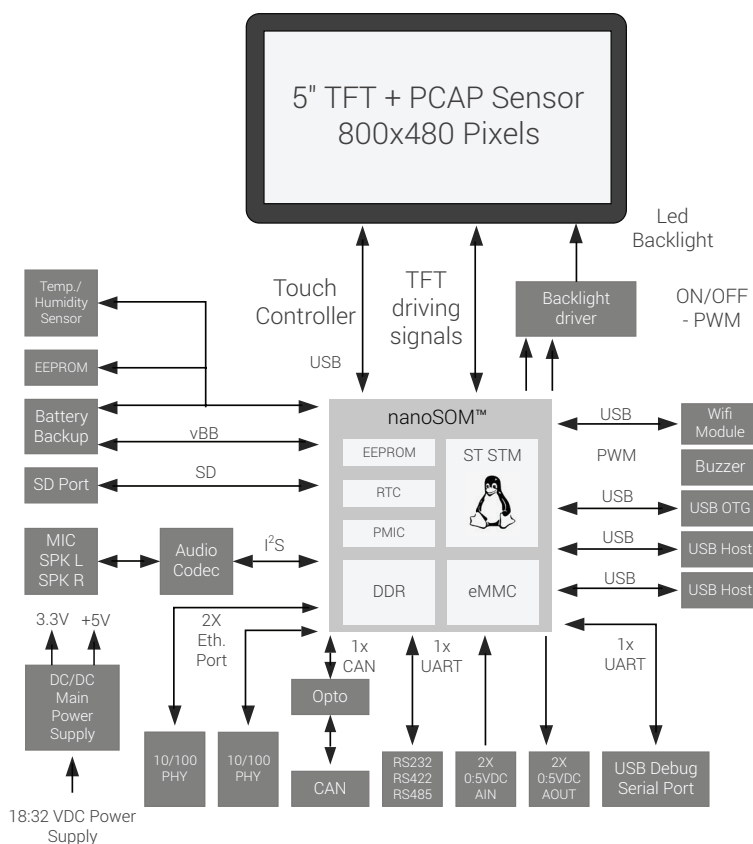


OpenHMI nS02 is innovative embedded intelligent IoT controller based nS02 STM32MP157CAC3 Dual ARM Cortex-A7 plus M4 MPU with 3D GPU and it is fully integrated with high resolution 5 inch TFT 800x480 including high reliability Projective Capacitive Touch screen sensor.

CPU	
CPU Type	STM32MP157CAC3
Core Class	Dual Cortex -A7 plus M4 MPU with 3D GPU
RTC	30 ppm @25°C – Batt. backup
Memory	
eMMC	4 GB
RAM	512 MByte DDR
EEPROM	4 KBits
SD Card Slot	1 (Standard SD card)
Operating System	
Supported OS	Linux Yocto
Comm. Interfaces	
Ethernet	2 (10/100 Mb)
Wifi	802.11 a/b/g/n (2.4 - 5 GHz)
USB 2.0	1 (USB OTG) + 2 (USB Host)
CAN Fieldbus	1 (CAN (isolated))
Serial Port	1 (RS232/RS422/RS485)
SPI / I2C	2 (SPI) / 1 (I ² C) / Serial TTL / I/O Connector
Audio	
Audio Interface	MIC/SPKL-SPKR 3.5mm Headset connector + Buzzer
Display and Touch	
Size	5
Resolution	800x480
Brightness	300 cd/m2
Backlite Lifetime	Typ. 30.000 h.
Colors	16 bit
Touch	PCAP - Multitouch Controller
I/O	
Analog Input	2 (0 to 5 VDC)
Analog Output	2 (0 to 5 VDC)
Mechanical	
Cover Glass	Optional
Dim. / Thickness	121x76x38 mm
Power Supply	
Supply voltage	18 to 32 VDC
Consumption	Typ. 5W
Operating Conditions	
Operating Temp. / Hum.	-20°C to +70°C / 5 to 90% RH
Storage temp	-30°C to +80°C



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Ordering Information

Model	Part Number	Description
5" OpenHMI nS02 Development Kit	+EE16EK-0009	STM32MP157CAC3 - Industrial - 20°C to +70°C - 650 Mhz - 512MByte DDR - 4GByte Flash disk - 4Kbits EEPROM