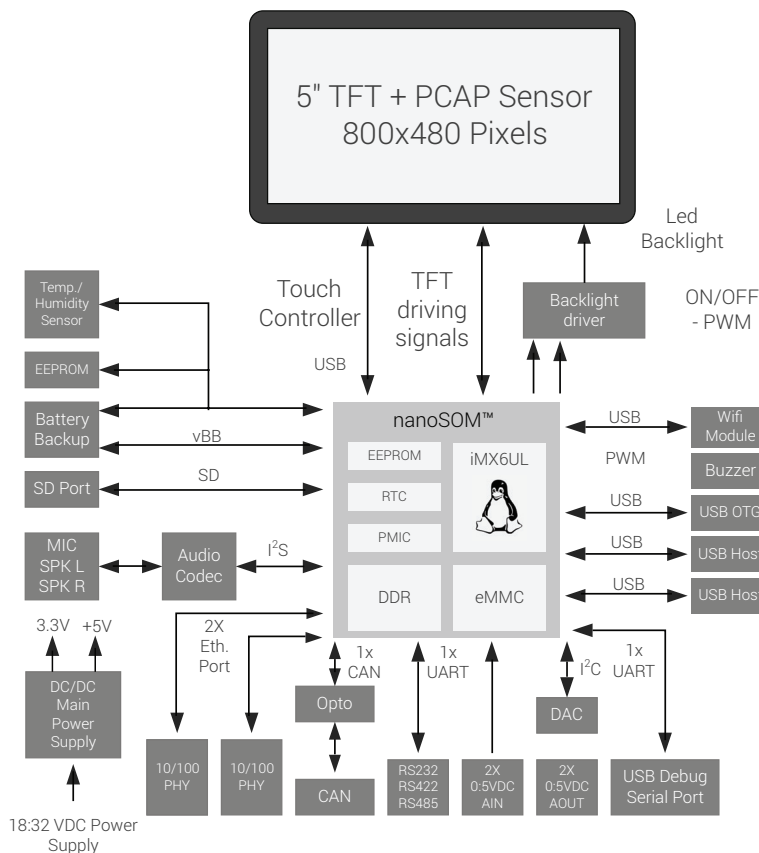




OpenHMI nS01 is innovative embedded intelligent IoT controller based nS01 i.MX 6 UL ARM Cortex-A7 of nanoSOM module and it is fully integrated with high resolution 5 inch TFT 800x480 including high reliability Projective Capacitive Touch screen sensor.

CPU	
CPU Type	iMX.6UL
Core Class	Single Core Cortex-A7 528Mhz
RTC	30 ppm @25°C – Batt. backup
Memory	
eMMC	4GByte
RAM	512MByte DDR
EEPROM	4KBits
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 (I2C) / 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 to +60°C / 5 to 90% RH
Storage temp	-30 to +85°C



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Ordering Information

Model	Part Number	Description
5" OpenHMI nS01 Development Kit	+EE16EK-0007	i.MX6UL - Industrial 20°C to +60°C - 528Mhz - 512MByte DDR - 4GByte Flash disk - 4Kbits EEPROM