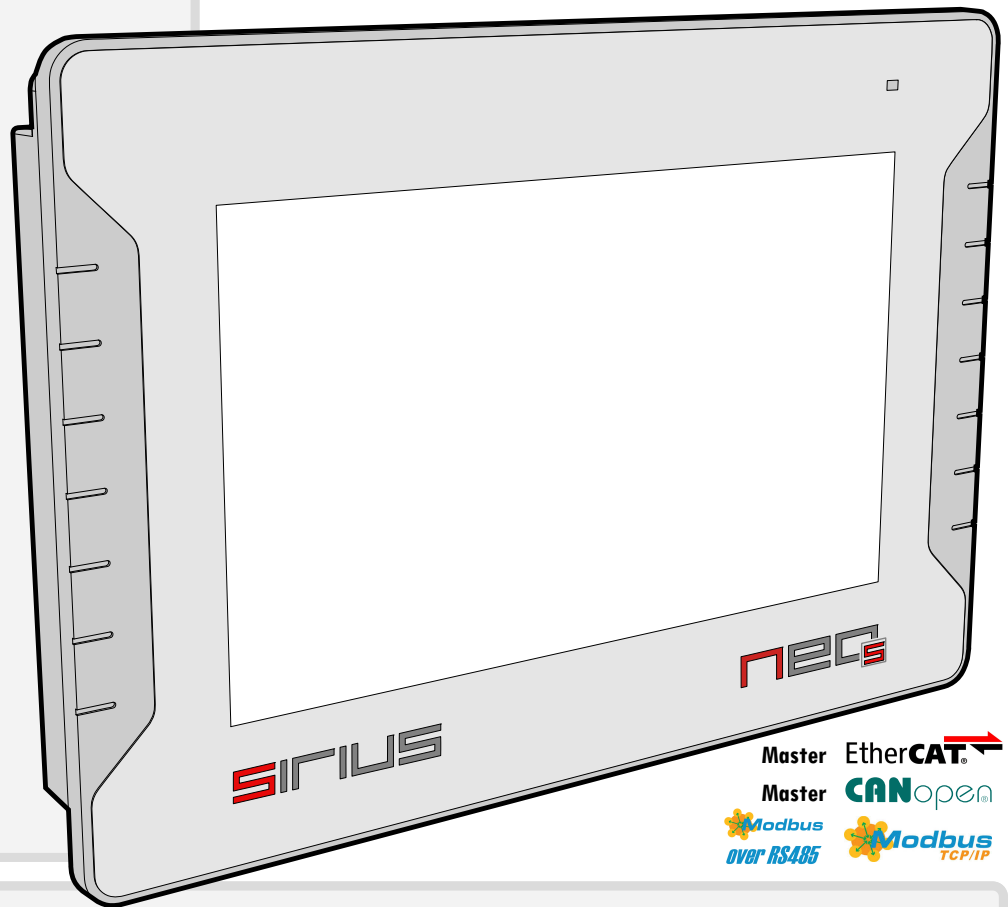
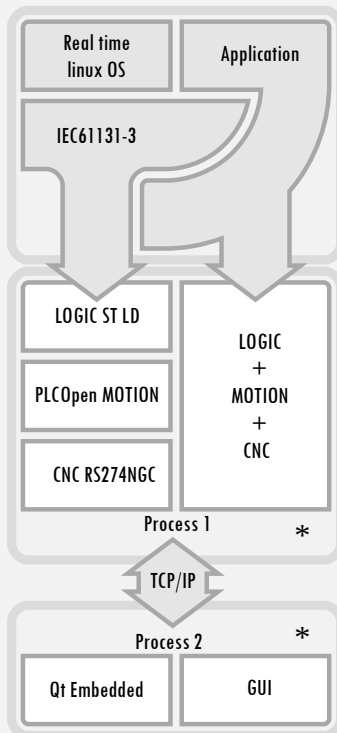


Software model



Features

Sirius designed NEOs architecture for scalability and efficiency in any application. Whether it is used as a pure viewer or when it becomes a full CNC, NEOs maintains an unmatched price-performance ratio.

NEOs is available with or without on board I/O. Depending on which kind of machine or process you are automating you can choose to use on board or two CANopen channels and Ethercat controlled peripherals, or a combination of both. NEOs4.3 is designed to be flexible and you can have it with up to 8 digital inputs and 8 digital outputs. Terminal blocks are grouped in 2 macro blocks for a rapid reinsertion during production or diagnostic.

NEOs runs real time linux based on Preempt-rt patch and features hardware floating point calculations. CAN and Ethercat jittering is maintained under 40us.

OS can be updated with a microSD card and the device can be updated via Ethernet or USB pen drive.

You can't believe how compact your next system could be: Logic, GUI and I/O are on the same device, measuring 165(L) x 110(H) x 31(W) mm

NEOs is IoT ready and can be used in industry 4.0 applications and offers full support for remote assistance and remote control via VNC

NEOs is compatible to the XML standard IEC 61131-3 and PLCopen Motion and the built-in CNC provides a G-Code interpreter ready for use.

With a customer-oriented design, the faceplate is fully customizable as well as user interfaces you design. Using Qt Designer editor you can create system themes to standardize your projects

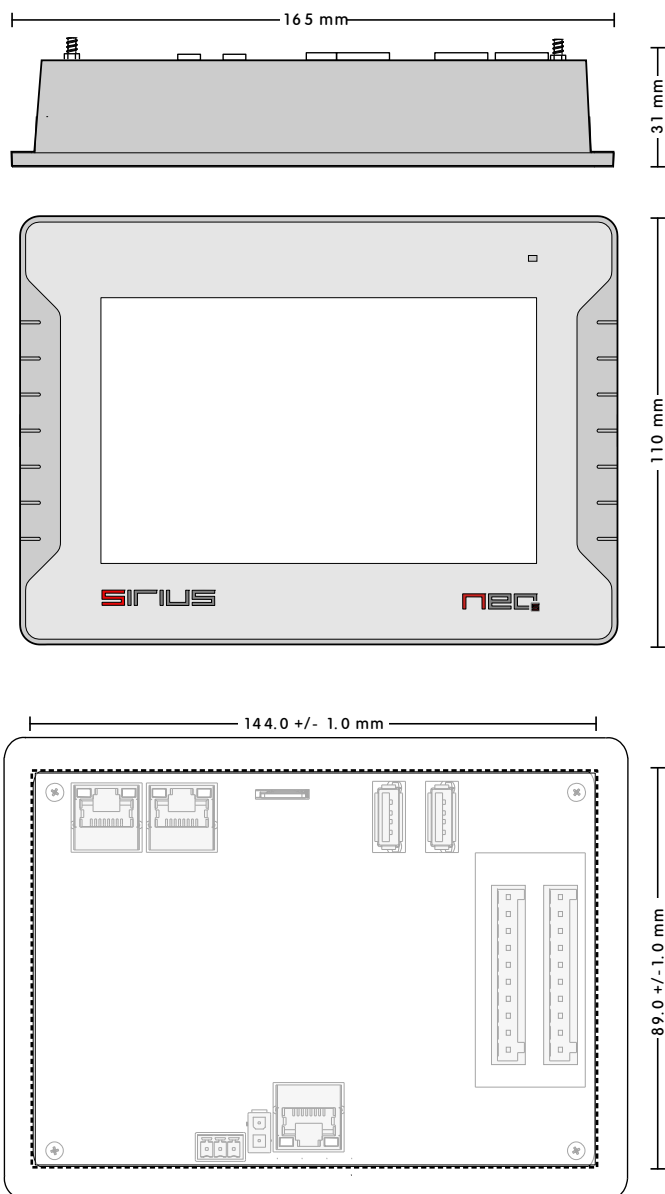
* Free SDK for IEC61131-3 and HMI editor, provided by Sirius

System integrators, developers and manufacturers can protect their work with NEOs embedded code protection. When deploying a project it will be encrypted allowing it run only on selected NEOs devices. There is no way that some one else can steal your code

NEOS4,3 Real time CANOpen-Ethercat

4,3" Touch Panel PLC

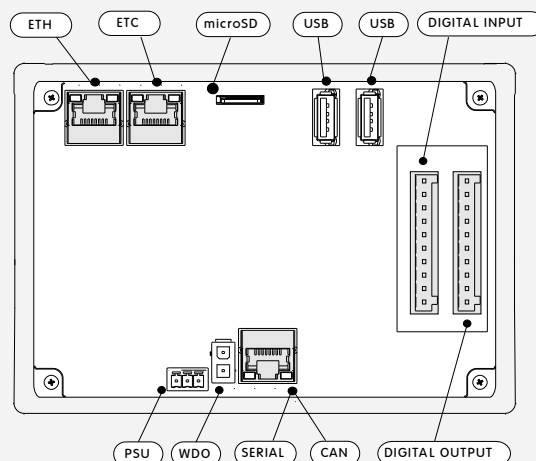
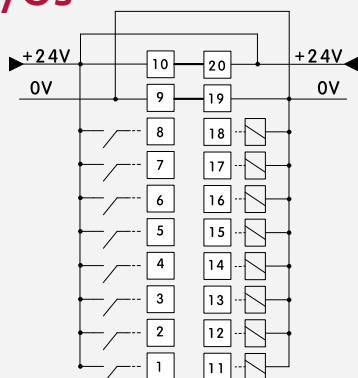
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Tech Specs

Processor	STM32MP157FAA1
CPU	2x ARM Cortex A7 @ 800MHz + 1x ARM Cortex M4 @ 209MHz
GPU	Vivante - OpenGL ES 2.0
Memory	4GB 8 bit eMMC + microSD
RAM	1 GB DDR3L
Logic Power supply	24Vdc $\pm$ 20% 1.1A resettable fuse
Display	4,3" TFT with graphic resource
Aspect ratio	4:3
Resolution	480x272 px
Brightness	350 nit
Touch Panel	Resistive 4 wires
Ethernet port	1 @ 10 / 100 Mbps
Ethercat Master Channels	1 @ 10 / 100 Mbps
Serial	1 port RS232 / 485 optocoupled cable select
CAN Master Channels	1 CANopen independent, optocoupled
USB Ports	2 USB 2.0 type A
I/O Power Supply	24Vdc $\pm$ 20% 1.1A resettable fuse
Digital IN	up to 8 @ 24V 2,5mA (4.7us RC)
Digital OUT	up to 8 @ 24V 700mA PNP, protected
Functions	Capable of macro execution
Reverse polarity	Logic circuit, diode
Storage C°	-40 to +85 °C
Operating C°	0 to +45 °C
Humidity	0 to 95%, non condensing
Size (mm)	165 x 110 x 31
Weight	434 g
Front Plate	Anodized aluminum / scratch resistant polycarbonate mask
Back Plate	ABS+PC V0 with painted metal case

DIGITAL I/Os



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