



## 10.1" Modular Industrial Panel Based on NXP i.MX 6 Series Processors

### Main Features:

- Support i.MX 6DualLite/ 6Quad/ 6Solo/ 6Dual processors
- Three touch screen sizes for options, including 10.1", 11.6" and 15.6"
- 1 x 10/100/1000Mbps RJ45 network, 2.4GHz & 5GHz Wi-Fi (4G optional)
- 4 x RS232, 1 x RS485/RS232, 4 x USB 2.0 Host, 1 x Micro USB OTG
- 1 x VGA, 1 x HDMI, 1 x 3.5mm headphone, 1 x 3.5mm Mic



### Description:

The i.MX 6 series of applications processors combines scalable platforms with broad levels of integration and power-efficient processing capabilities. The modular panel provides multicore solutions based on 6DualLite, 6Quad, 6Dual and 6Solo, targeted at both commercial and industrial applications.

It consists of a front display screen and a back-end fanless computer, which allows customers to select the back-end module with an appropriate processor, and flexibly match it to a 10.1"/ 11.6"/ 15.6" touch screen. In this way, it helps to reduce time and cost in the future maintenance, upgrade and production process.

## Specification:

System	
CPU	NXP i.MX 6DualLite 1.0GHz (Commercial)
	NXP i.MX 6Quad 1.0GHz (Extended Commercial)
	NXP i.MX 6Solo (Industrial grade optional)
	NXP i.MX 6Dual (Industrial grade optional)
Architecture	ARM Cortex-A9
Operating System	Ubuntu 16.04/ Yocto 2.5.2/ Android 9.0
Memory	Onboard 2GB DDR3 (1GB optional)
Storage	16GB eMMC (32GB optional)
Video & Audio	
Touch Screen	10.1" 1280 x 800 10-point capacitive touch screen (11.6"/15.6" screen optional)
Display Interfaces	1 x VGA, 1 x HDMI
Audio Interfaces	1 x 3.5mm headphone, 1 x 3.5mm Mic
Front I/O	
Power Switch	1 x Power switch
Power Input	1 x DC IN, supports 5.5mm x 2.1mm plug
LAN	1 x 10Mbps/100Mbps/1000Mbps RJ45 network port, 2.4GHz & 5GHz Wi-Fi 4G (optional)
USB OTG	1 x Micro USB OTG
USB	2 x USB 2.0 Host Type-A
COM	1 x RS485/RS232 (RS485 for default)
SIM Slot	1 x Micro SIM slot
SD Slot	1 x Micro SD slot
Rear I/O	
COM	4 x RS232
USB	2 x USB 2.0 Host Type-A
Antenna Connectors	1 x WIFI antenna connector, 1 x 4G antenna connector (optional)
Mechanical & Environmental	
Enclosure	Black color, made of aluminum alloy
Dimension	261mm x 136mm x 39mm (Back-end computer module, not include the screen)
Weight	2.9kg
Cooling	Fanless design, with radiator for heat dissipation
Mounting	VESA
Operating Temp.	Commercial: 0°C~+70°C
	Extended Commercial: -20°C~+70°C
	Industrial: -40°C~+85°C

## Order Information:

CPU	Screen	Memory	Storage	LAN	HDMI	VGA	Audio	COM	USB	Power
i.MX 6DualLite	10.1"	2GB	16GB	1	1	1	Yes	4*RS232 1*RS485	4*USB Host 1*USB OTG	DC IN
i.MX 6Quad										
i.MX 6Dual										
i.MX 6Solo										

Industrial Panel Photos:



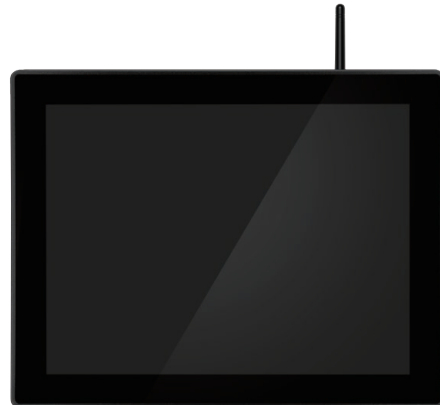
Back-end Computer Photos:



Other Panel Sizes For Options:



11.6 Inches



15.6 Inches

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

