

NOVApc is the plug & play solution for HMI, Automation, Health care and several other applications

It is a solution designed to combine any Novasom board with a display and all the necessary accessories like cables, display adapters and so on to allow the system work perfectly.

It's an extremely simple and robust design, built to last, totally configurable for specific needs. Any novasom, any display, any touchscreen can be mounted on, just ask.



Can be delivered with the SBC SW already configured for the display.

The choice of a novapc solution , will warranty the absence of obsolescence problems because we will manage them for you.

To simplify the choice of the product and shorten the delivery time of all the possible available solutions, we defined some standard configurations based on 5", 7" and 10.1" display and on U5C, P7D, M7C and M7FT SBCs.

Below is the list of **standard systems**:

NOVApc Version	Board type	display type	Touch Panel type
NPC-5RGB-PCAP-U5-CG	U5C	5" RGB	CAP with coverglass
NPC-5RGB-RES-U5-OF	U5C	5" RGB	RES w/o coverglass
NPC-7RGB-PCAP-U5-CG	U5C	7" RGB	CAP with coverglass
NPC-7RGB-RES-U5-OF	U5C	7" RGB	RES w/o coverglass
NPC-7LVDS-PCAP-P7D-CG	P7D	7" LVDS	CAP with coverglass
NPC-7LVDS-PCAP-P7D-OF	P7D	7" LVDS	CAP w/o coverglass
NPC-7HDMI-PCAP-M7C-a-CG	M7C	7" HDMI	CAP with coverglass
NPC-7HDMI-PCAP-M7FT-a-CG	M7FT	7" HDMI	CAP with coverglass
NPC-10.1LVDS-PCAP-P7D-a-CG	P7D	10.1" LVDS	CAP with coverglass
NPC-10.1-HDMI-PCAP-M7C-a-CG	M7C	10.1" HDMI	CAP with coverglass
NPC-10.1-HDMI-PCAP-M7FT-a-CG	M7FT	10.1" HDMI	CAP with coverglass

STANDARD DISPLAY CHARACTERISTICS

Display Specs	5" RGB	7" RGB	7" LVDS	7" HDMI	10.1" LVDS or HDMI
Screen format	16:9 WVGA	16:9 WVGA	16:9 WSVGA	16:9 WSVGA	16:10 WXGA
LCD Type	5.0" TFT	7.0" TFT	7.0" TFT	7.0" TFT	10.1" TFT
Display color	16M	16.2M	16.7M	16.7M	262K
Viewing Direction (Optimum View)	12 O'Clock	12 O'Clock	All angle	All angle	All angle
Module size	120.7(W) x 75.8(H) mm	164.9 (W) x 100 (H) mm	164.05 (W) x 100.86 (H) mm	164.9 (W) x 100 (H) mm	229.46 (W) x 149.1 (H) mm
Active Area(WxH)	108(W) x 64.8(H) mm	154.08 (H) x 85.92 (H) mm	153.6 (W) x 90.0 (H) mm	154.21 (W) x 85.92 (H) mm	216.96 (W) x 135.6 (H) mm
Number of Dots	800 (RGB) x 480	800 (RGB) x 480	1024 (RGB) x 600	1024 (RGB) x 600	1280 (RGB) x 800
Backlight	12 White LED pcs	24 Chips white LED	20 White LEDs	20 White LEDs	n.a.
Contrast ratio	350:1	400:1	900:1	700:1	1300:1
Brightness	500 cd/m2	600 cd/m2	400 cd/m2	350 cd/m2	350 cd/m2
Interface	RGB	RGB	LVDS	HDMI	LVDS/HDMI
Touch panel	CTP 5 fingers multitouch I2C or RTP	CTP 10 fingers multitouch with pressure sensing I2C or RTP	CTP 10 fingers multitouch with pressure sensing I2C	CTP 5 fingers multitouch USB	CTP 5 fingers multitouch USB
Operating temperature	-20°C ~ 70°C	-20°C ~ 70°C	-20°C ~ 65°C	-10°C ~ 60°C	0 to +50
Coverglass selection	yes/no	yes/no	yes/no	yes	yes
SBC compatibility	U5	U5	P6, P7, P8, M11, S6, S7, S8	P6, P7, P8, M7, M8, M11, S6, S7, S8	P6, P7, P8, M7, M8, M11, S6, S7, S8

BOARDS INTERFACE

Display interface / Board type	SPI	RGB	LVDS	HDMI	EDP	MIPI-DSI
U1	●	--	--	--	--	--
U5	●	●	--	--	--	--
P(6,7,8)	●	--	●	●	--	●
M7	●	--	--	●	--	--
M8	●	--	--	●	--	●
M11	●	--	●	●	●	--
S(6,7,8)	●	--	●	●	--	●

STANDARD DISPLAY AVAILABLE

(different display are available on request)

DIS-LCD-5-RGB-CAP-CG-CCT-00	5" RGB	CAP with coverglass
DIS-LCD-5-RGB-RES-OF-CCT-00	5" RGB	RES w/o coverglass
DIS-LCD-7-RGB-CAP-GC-CCT-00	7" RGB	CAP with coverglass
DIS-LCD-7-RGB-RES-OF-CCT-00	7" RGB	RES w/o coverglass
DIS-LCD-7-LVDS-CAP-CG-CCT-00	7" LVDS	CAP with coverglass
DIS-LCD-7-LVDS-CAP-OF-CCT-00	7" LVDS	CAP w/o coverglass
DIS-LCD-7-HDMI-CAP-CG-a-00	7" HDMI	CAP with coverglass
DIS-LCD-10.1-LVDS-CAP-CG-a-00	10.1" LVDS	CAP with coverglass
DIS-LCD-10.1-HDMI-CAP-CG-a-00	10.1" HDMI	CAP with coverglass