

12.1" and 12.5" Industrial TFT-Displays

- 12.1" SVGA
- 12.1" XGA
- 12.1" XGA High Brightness
- 12.1" WXGA
- 12.1" WXGA High Brightness
- 12.5" FHD





12.1" TFT-Displays

SVGA Resolution

Panel	G121S1-L02	AA121SM02	NL8060BC31-47D
Manufacturer	Innolux	Mitsubishi	NLT
Type	S-MVA	TN	TN
Viewing angle (v/h)	178°/178°	140°/160°	160°/160°
Resolution	SVGA 800x600	SVGA 800x600	SVGA 800x600
Input	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/NO	LED/NO
Brightness (cd/m²)	600	550	450
Temperature (°C)	-30...+80	-30...+80	-30...+80
	Touch Screen		
Analog Resistive Touch Sensor	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓
	Industrial TFT-Controller		
Serial stand alone GUI TFT-Controller	✓	✓	✓
USB-Client to LVDS TFT-Controller	✓	✓	✓
RGB/DVI to LVDS TFT-Controller	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓

All combinations are possible.
For more information contact our [sales](#).

12.1" TFT-Displays

XGA Resolution



DATA DISPLAY GROUP

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Panel	<u>AA121XN01</u>	<u>AA121XP01</u>	<u>G121XN01 V0</u>	<u>G121XTN01.0</u>	<u>NL10276BC24-21</u>
Manufacturer	Mitsubishi	Mitsubishi	AUO	AUO	NLT
Type	TN	IPS	TN	TN	TN
Viewing angle (v/h)	160°/160°	170°/170°	160°/160°	160°/160°	160°/160°
Resolution	XGA 1024x768	XGA 1024x768	XGA 1024x768	XGA 1024x768	XGA 1024x768
Input	LVDS	LVDS	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/YES	LED/YES	LED/YES	LED/NO
Brightness (cd/m²)	700	500	500	500	450
Temperature (°C)	-30...+80	-30...+80	-30...+85	-30...+85	-30...+80
	Touch Screen				
Analog Resistive Touch Sensor	✓	✓	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓	✓	✓
	Industrial TFT-Controller				
<u>Serial stand alone GUI TFT-Controller</u>	✓	✓	✓	✓	✓
<u>USB-Client to LVDS TFT-Controller</u>	✓	✓	✓	✓	✓
<u>RGB/DVI to LVDS TFT-Controller</u>	✓	✓	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓	✓	✓

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12.1 and 12.5" TFT Displays Overview

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12.1" TFT-Displays

XGA Resolution

Panel	G121X1-L03	G121X1-L04	TCG121XGLPAPNN-AN20
Manufacturer	Innolux	Innolux	Kyocera
Type	TN	TN	AWV
Viewing angle (v/h)	140°/160°	140°/160°	170°/170°
Resolution	XGA 1024x768	XGA 1024x768	XGA 1024x768
Input	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/YES	LED/YES
Brightness (cd/m²)	600	500	400
Temperature (°C)	-30...+80	-30...+70	-30...+80
	Touch Screen		
Analog Resistive Touch Sensor	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓
	Industrial TFT-Controller		
Serial stand alone GUI TFT-Controller	✓	✓	✓
USB-Client to LVDS TFT-Controller	✓	✓	✓
RGB/DVI to LVDS TFT-Controller	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓

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12.1" TFT-Displays

XGA Resolution / High Brightness

Panel	TCG121XGLBPNN-AN40	G121XN01V0-V554	AA121XL01	AA121XN11
Manufacturer	Kyocera	DD-Group	Mitsubishi	Mitsubishi
Type	AWV	TN	TN	TN
Viewing angle (v/h)	170°/170°	160°/160°	140°/160°	160°/160°
Resolution	XGA 1024x768	XGA 1024x768	XGA 1024x768	XGA 1024x768
Input	LVDS	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/NO	LED/NO	LED/NO
Brightness (cd/m²)	1200	1500	1000	1300
Temperature (°C)	-30...+80	-30...+55 *	-30...+80	-30...+80
		*-30...+85 at 1100 cd/m ²		
	Touch Screen			
Analog Resistive Touch Sensor	✓	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓	✓
	Industrial TFT-Controller			
Serial stand alone GUI TFT-Controller	✓	✓	✓	✓
USB-Client to LVDS TFT-Controller	✓	✓	✓	✓
RGB/DVI to LVDS TFT-Controller	✓	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓	✓

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12.1" TFT-Displays

WXGA Resolution

Panel	G1211I-L01	AA121TD01	TCG121WXPxPNN-ANx05	NL12880AC20-14D	G121EAN01.0
Manufacturer	Innolux	Mitsubishi	Kyocera	NLT	AUO
Type	S-MVA	TN	AWV*	TN	A-MVA
Viewing angle (v/h)	176°/176°	140°/160°	170°/170°	160°/160°	178°/178°
Resolution	WXGA 1280x800	WXGA 1280x800	WXGA 1280x800	WXGA 1280x800	WXGA 1280x800
Input	LVDS	LVDS	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/YES	LED/YES	LED/YES	LED/YES
Brightness (cd/m²)	400	700	500	450	500
Temperature (°C)	-10...+70	-30...+80	-30...+80	-30...+80	-30...+85
			* Advanced Wide View		
	Touch Screen				
Analog Resistive Touch Sensor	✓	✓	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓	✓	✓
	Industrial TFT-Controller				
Serial stand alone GUI TFT-Controller					
USB-Client to LVDS TFT-Controller	✓	✓	✓	✓	✓
RGB/DVI to LVDS TFT-Controller	✓	✓	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓	✓	✓

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12.1" TFT-Displays

WXGA Resolution / High Brightness

Panel	GKVC1MNDK2A0	AA121TD11	NL12880BC20-07F
Manufacturer	SGD	Mitsubishi	NLT
Type	MVA	TN	TN
Viewing angle (v/h)	176°/176°	140°/160°	160°/160°
Resolution	WXGA 1280x800	WXGA 1280x800	WXGA 1280x800
Input	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/NO	LED/YES	LED/NO
Brightness (cd/m²)	1000	1500	1800
Temperature (°C)	-30...+80	-30...+80	-20...+70
	Touch Screen		
Analog Resistive Touch Sensor	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓
	Industrial TFT-Controller		
Serial stand alone GUI TFT-Controller			
USB-Client to LVDS TFT-Controller	✓	✓	✓
RGB/DVI to LVDS TFT-Controller	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓

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12.5" TFT-Display

Full-HD Resolution

Panel	LP125WF-SPB2
Manufacturer	LG
Type	IPS
Viewing angle (v/h)	Min. 160°/160°
Resolution	FHD 1920x1080
Input	eDP*
BLU/Converter integrated	LED/YES
Brightness (cd/m²)	400
Temperature (°C)	0...+50
	* LVDS2eDP interface available
	Touch Screen
Analog Resistive Touch Sensor	✓
Projected Capacitive Touch Sensor	✓
	Industrial TFT-Controller
Serial stand alone GUI TFT-Controller	
USB-Client to LVDS TFT-Controller	✓
RGB/DVI to LVDS TFT-Controller	✓
Ask for Options: HDMI, DP, Video, Audio	✓

All combinations are possible.
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