

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

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





# 12.1" TFT-Displays

XGA Resolution

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

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# 12.1" TFT-Displays

## XGA Resolution / High Brightness

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

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## 12.1" TFT-Displays

## WXGA Resolution

Panel	<a href="#">G1211I-L01</a>	<a href="#">AA121TD01</a>	<a href="#">TCG121WXLpPNN-ANx05</a>	<a href="#">NL12880AC20-14D</a>	<a href="#">G121EAN01.0</a>
<b>Manufacturer</b>	Innolux	Mitsubishi	Kyocera	NLT	AUO
<b>Type</b>	S-MVA	TN	AWV*	TN	A-MVA
<b>Viewing angle (v/h)</b>	176°/176°	140°/160°	170°/170°	160°/160°	178°/178°
<b>Resolution</b>	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800
<b>Input</b>	LVDS	LVDS	LVDS	LVDS	LVDS
<b>BLU/Converter integrated</b>	LED/YES	LED/YES	LED/YES	LED/YES	LED/YES
<b>Brightness (cd/m<sup>2</sup>)</b>	400	700	500	450	500
<b>Temperature (°C)</b>	-10...+70	-30...+80	-30...+80	-30...+80	-30...+85
			* Advanced Wide View		
	<b>Touch Screen</b>				
<b>Analog Resistive Touch Sensor</b>	✓	✓	✓	✓	✓
<b>Projected Capacitive Touch Sensor</b>	✓	✓	✓	✓	✓
	<b>Industrial TFT-Controller</b>				
<b><a href="#">Serial stand alone GUI TFT-Controller</a></b>					
<b><a href="#">USB-Client to LVDS TFT-Controller</a></b>	✓	✓	✓	✓	✓
<b><a href="#">RGB/DVI to LVDS TFT-Controller</a></b>	✓	✓	✓	✓	✓
<b>Ask for Options: HDMI, DP, Video, Audio</b>	✓	✓	✓	✓	✓

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# 12.1" TFT-Displays

## WXGA Resolution / High Brightness

Panel	<a href="#">GKVC1MNDK2A0</a>	<a href="#">AA121TD11</a>	<a href="#">NL12880BC20-07F</a>
<b>Manufacturer</b>	SGD	Mitsubishi	NLT
<b>Type</b>	MVA	TN	TN
<b>Viewing angle (v/h)</b>	176°/176°	140°/160°	160°/160°
<b>Resolution</b>	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800
<b>Input</b>	LVDS	LVDS	LVDS
<b>BLU/Converter integrated</b>	LED/NO	LED/YES	LED/NO
<b>Brightness (cd/m<sup>2</sup>)</b>	<b>1000</b>	<b>1500</b>	<b>1800</b>
<b>Temperature (°C)</b>	-30...+80	-30...+80	-20...+70
	<b>Touch Screen</b>		
<b>Analog Resistive Touch Sensor</b>	✓	✓	✓
<b>Projected Capacitive Touch Sensor</b>	✓	✓	✓
	<b>Industrial TFT-Controller</b>		
<b><a href="#">Serial stand alone GUI TFT-Controller</a></b>			
<b><a href="#">USB-Client to LVDS TFT-Controller</a></b>	✓	✓	✓
<b><a href="#">RGB/DVI to LVDS TFT-Controller</a></b>	✓	✓	✓
<b>Ask for Options: HDMI, DP, Video, Audio</b>	✓	✓	✓

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DATA DISPLAY GROUP

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# 12.5" TFT-Display

Full-HD Resolution

<b>Panel</b>	<b>LP125WF-SPB2</b>
<b>Manufacturer</b>	LG
<b>Type</b>	IPS
<b>Viewing angle (v/h)</b>	Min. 160°/160°
<b>Resolution</b>	<b>FHD</b> 1920x1080
<b>Input</b>	eDP*
<b>BLU/Converter integrated</b>	LED/YES
<b>Brightness (cd/m<sup>2</sup>)</b>	400
<b>Temperature (°C)</b>	0...+50
	* <i>LVDS2eDP interface available</i>
	<b>Touch Screen</b>
<b>Analog Resistive Touch Sensor</b>	✓
<b>Projected Capacitive Touch Sensor</b>	✓
	<b>Industrial TFT-Controller</b>
<b>Serial stand alone GUI TFT-Controller</b>	
<b>USB-Client to LVDS TFT-Controller</b>	✓
<b>RGB/DVI to LVDS TFT-Controller</b>	✓
<b>Ask for Options: HDMI, DP, Video, Audio</b>	✓

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## 12.1 and 12.5" TFT Displays Overview

your specialist for flat screen solutions





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