

## 10.0" / 10.1" / 10.4" Industrial TFT-Displays

- 10.0" FHD
- 10.1" WXGA / WXGA + WUXGA High Brightness
- 10.4" VGA / SVGA / XGA / XGA High Brightness





# 10" TFT-Display

Full-HD Resolution

<b>Panel</b>	<b><a href="#">VVX10F087J00</a></b>
<b>Manufacturer</b>	Panasonic
<b>Type / size</b>	IPS / <b>10.0"</b>
<b>Viewing angle (v/h)</b>	178°/178°
<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>	300
<b>Temperature operating (°C)</b>	-20...+70
	* <a href="#">LVDS2eDP interface</a> available
	<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>	✓

All combinations are possible.  
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## 10" to 10.4" TFT Display Overview

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# 10.1" TFT-Displays

WXGA Resolution

Panel	<a href="#">G101EVN01.0</a>	<a href="#">G101EVN01.3</a>	<a href="#">TM101JDHG30-00</a>	<a href="#">NL12880AC16-01D</a>
Manufacturer	AUO	AUO	Tianma	NLT
Type	MVA	MVA	SFT	SFT
Viewing angle (v/h)	170°/170°	170°/170°	170°/170°	176°/176°
Resolution	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800
Input	LVDS	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/YES	LED/YES	LED/YES
Brightness (cd/m²)	300	500	500	400
Temperature operating (°C)	-20...+60	-20...+70	-20...+70	-30...+80
<b>Touch Screen</b>				
Analog Resistive Touch Sensor	✓	✓	✓	✓
Projected Capacitive Touch Sensor	✓	✓	✓	✓
<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>	✓	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓	✓

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# 10.1" TFT-Displays

WXGA + WUXGA Resolution / High brightness

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Panel	<a href="#">TM101JDHG32-00</a>	<a href="#">AL101WXL02-N</a>	<a href="#">AM-19201200B1TZQW-00</a>	<a href="#">AM-19201200B1TZQW-T51</a>
Manufacturer	Tianma	AMOLED	Ampire	Ampire
Type	SFT	IPS	MVA	MVA
Viewing angle (v/h)	170°/170°	170°/170°	170°/170°	170°/170°
Resolution	<b>WXGA</b> 1280x800	<b>WXGA</b> 1280x800	WUXGA 1920x1200	WUXGA 1920x1200
Input	LVDS	LVDS	LVDS	LVDS
BLU/Converter integrated	LED/YES	LED/NO	LED/YES	LED/YES
Brightness (cd/m²)	<b>1000</b>	<b>1300</b>	<b>1000</b>	<b>850</b>
Temperature operating (°C)	-20...+70	-20...+70	-20...+70	-20...+70
<b>Touch Screen</b>				
Analog Resistive Touch Sensor	✓	✓	✓	
Projected Capacitive Touch Sensor	integrated	✓	✓	integrated
<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>	✓	✓	✓	✓
Ask for Options: HDMI, DP, Video, Audio	✓	✓	✓	✓

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## 10.4" TFT-Displays

## VGA Resolution

Panel	<a href="#">G104V1-T03</a>	<a href="#">G104VN01 V1</a>	<a href="#">AA104VH01</a>	<a href="#">NL6448BC33-71D</a>	<a href="#">AA104VJ12</a>
<b>Manufacturer</b>	Innolux	AUO	Mitsubishi	NLT	Mitsubishi
<b>Type</b>	S-MVA	TN	TN	TN	TN
<b>Viewing angle (v/h)</b>	176°/176°	140°/160°	143°/140°	160°/160°	140°/160°
<b>Resolution</b>	<b>VGA</b> 640x480	<b>VGA</b> 640x480	<b>VGA</b> 640x480	<b>VGA</b> 640x480	VGA 640x480
<b>Input</b>	TTL	LVDS	TTL	LVDS	LVDS
<b>BLU/Converter integrated</b>	LED/YES	LED/YES	LED/NO	LED/NO	LED/NO*
<b>Brightness (cd/m²)</b>	450	450	800	450	1500
<b>Temperature operating (°C)</b>	-30...+80	-30...+85	-30...+85	-30...+80	-20...+70
	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>* SmartLED Converter available</i>
	<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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## 10.4" TFT-Displays

## SVGA Resolution

Panel	<a href="#">G104STN01.0</a>	<a href="#">G104S1-L01</a>	<a href="#">AA104SL02</a>	<a href="#">AA104SL12</a>	<a href="#">NL8060BC26-35C</a>
<b>Manufacturer</b>	AUO	Innolux	Mitsubishi	Mitsubishi	NLT
<b>Type</b>	TN	TN	TN	TN	TN
<b>Viewing angle (v/h)</b>	130°/160°	140°/140°	150°/160°	140°/160°	160°/160°
<b>Resolution</b>	<b>SVGA</b> 800x600	<b>SVGA</b> 800x600	<b>SVGA</b> 800x600	<b>SVGA</b> 800x600	<b>SVGA</b> 800x600
<b>Input</b>	LVDS	LVDS	LVDS	LVDS	LVDS
<b>BLU/Converter integrated</b>	LED/YES	LED/YES	LED/YES	LED/NO*	LED/NO
<b>Brightness (cd/m²)</b>	400	450	700	<b>1200</b>	800
<b>Temperature operating (°C)</b>	-30...+80	-30...+70	-30...+80	-30...+80	-30...+80
	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>
				<i>* SmartLED Converter available</i>	
	<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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## 10.4" TFT-Displays

## XGA Resolution

Panel	<a href="#">AA104XD02</a>	<a href="#">AA104XF02</a>	<a href="#">AA104XL02</a>	<a href="#">G104X1-L03</a>	<a href="#">G104X1-L04</a>
<b>Manufacturer</b>	Mitsubishi	Mitsubishi	Mitsubishi	Innolux	Innolux
<b>Type</b>	TN	TN	TN <i>transflective</i>	S-MVA	S-MVA
<b>Viewing angle (v/h)</b>	130°/160°	130°/160°	-50~35°/-50~35°	176°/176°	176°/176°
<b>Resolution</b>	<b>XGA</b> 1024x768	<b>XGA</b> 1024x768	<b>XGA</b> 1024x768	<b>XGA</b> 1024x768	<b>XGA</b> 1024x768
<b>Input</b>	LVDS	LVDS	LVDS	LVDS	LVDS
<b>BLU/Converter integrated</b>	LED/NO	LED/YES	LED/YES	LED/YES	LED/YES
<b>Brightness (cd/m²)</b>	600	600	300	350	500
<b>Temperature operating (°C)</b>	-30...+80	-30...+80	-30...+80	-30...+70	-30...+70
	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>	<i>Reverse Pin</i>
			<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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# 10.4" TFT-Displays

## XGA Resolution

Panel	<a href="#">NL10276BC20-18</a>	<a href="#">TCG104XGLPAPNN-AN30</a>	<a href="#">G104XVN01.0</a>
<b>Manufacturer</b>	NLT	Kyocera	AUO
<b>Type</b>	TN	AWV*	PSA
<b>Viewing angle (v/h)</b>	160°/160°	170°/170°	178°/178°
<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/NO	LED/YES	LED/YES
<b>Brightness (cd/m²)</b>	400	600	470
<b>Temperature operating (°C)</b>	-30...+80	-30...+80	-30...+80
	<i>Reverse Pin</i>	*Advanced Wide View	<i>Reverse Pin</i>
		<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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# 10.4" TFT-Displays

XGA Resolution / High brightness

Panel	<a href="#">AA104XG12</a>	<a href="#">AA104XD12</a>	<a href="#">TCG104XGLPAPNN-AN40</a>	<a href="#">AT104XH11</a>
<b>Manufacturer</b>	Mitsubishi	Mitsubishi	Kyocera	Mitsubishi
<b>Type</b>	IPS	TN	AWV*	TN
<b>Viewing angle (v/h)</b>	170°/170°	130°/160°	170°/170°	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/NO	LED/NO	LED/YES	LED/NO
<b>Brightness (cd/m²)</b>	<b>900</b>	<b>1000</b>	<b>1300</b>	<b>1200</b>
<b>Temperature operating (°C)</b>	-30...+80	-30...+80	-30...+80	<b>-40...+85</b>
	<i>Reverse Pin</i>	<i>Reverse Pin</i>	*Advanced Wide View	<i>Reverse Pin</i>
			<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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