



**HIGHNESS<sup>TM</sup>**

*One of a kind*

**Model No. HI150XG001**

**15.0" HMI Display  
with Microcontroller**

BRIEF SPECIFICATION

Release Date  
17<sup>th</sup> Jun 2021

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**HIGHNESS MICROELECTRONICS PVT LTD.**

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<b>General Specifications</b>	
Size	15 inch
Resolution	1024 x 768
Aspect Ratio	4:3
Viewing Area	304.1 x 228.1 mm
Backlight Type	LED
Brightness	300 ~ 800 cd/m <sup>2</sup>
Contrast	500:1
Backlight life	50000 hours
Viewing Angle	80°/80°/70°/70°(L/R/U/D)
<b>Processor</b>	
CPU	Cortex A8
Refresh Rate	1.0 GHz
Max Frame rate	60 FPS
Flash Memory	Standard 256MB, Expandable 2GB
<b>Interface</b>	
Serial Interface	RS232 / RS422 / RS485 / TTL
Ethernet interface	10/100Mbps (Optional)
Wireless interface	Wi-Fi / Bluetooth (Optional)
<b>Power Supply</b>	
Rated voltage	+5V DC to +28V DC
Power consumption	6.0 W
<b>Electrical Characteristics</b>	
Supply Current	VIN=12V (Max brightness) (220mA)
	VIN=12V (close brightness) (120mA)
Baud Rate	115200 bps
<b>Ambient Conditions</b>	
Operation Temp.	-20°C ~ +70°C
Storage Temp.	-30°C ~ +80°C
Relative Humidity Operational	85% (55°C)
Relative Humidity Storage	90% (60°C)
<b>Other (Optional)</b>	
Touch Screen	4 Wire Resistance / Capacitive