UniStream®
Display

This guide provides basic installation information for UniStream® Display models. Displays are compatible with UniStream® PLCs.

Technical specifications may be downloaded from the Unitronics website.

General Description

UniStream® Display models comprise resistive color touch-screens that support VNC client, and are available in different dimensions.

Via VNC, UniStream® PLCs can access Displays to show HMI screens.

In addition to HMI screens, Displays support UniApps™, a built-in system that enables the user to access communication settings, and manage the device.

Installation Guides are available in the Unitronics Technical Library at www.unitronicsplc.com.

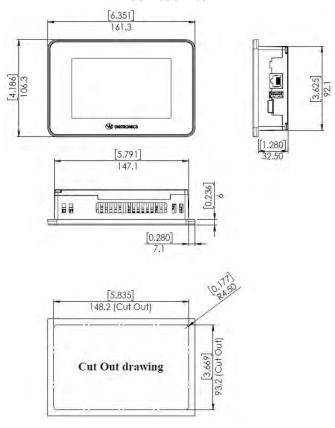| Power Supply	USL-050-B05 Art. N° 159366	USL-070-B05 Art. N° 159367	USL-101-B05 Art. N° 163165	USL-156-B05 Art. N° 163166
Input voltage	12VDC or 24VDC			
Permissible range	10.2VDC to 28.8VDC			
Max. current consumption	0.7A@12VDC 0.4A@24VDC	0.79A@12VDC 0.49A@24VDC	0.85A@12VDC 0.52A@24VDC	1.54A@12VDC 0.8A@24VDC
Isolation	None			

Display	USL-050-B05	USL-070-B05	USL-101-B05	USL-156-B05
LCD type	TFT			
Backlight type	White LED			
Luminous intensity (brightness)	Typically 350 nits (cd/m2), at 25°C	Typically 400 nits (cd/m2), at 25°C	Typically 300 nits (cd/m2), at 25°C	Typically 400 nits (cd/m2), at 25°C
Backlight longevity [1]	30k hours			
Resolution (pixels)	800 x 480 (WVGA)		1024 x 600 (WSVGA)	1366 x 768
Size	5"	7"	10.1"	15.6"
Viewing area Width x Height	108 x 64.8 (mm)	154.08 x 85.92 (mm)	222.72 x 125.28 (mm)	344.23 x 193.53 (mm)
Color support	65,536 (16bit)			16M (24bit)
Surface treatment	Anti-glare			
Touch screen	Resistive Analog			
Actuation force (min)	> 80 g (0.176 lb)			

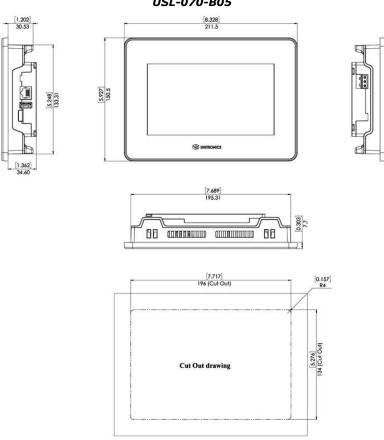| Communication (Built-in Ports)	
Ethernet port	
Number of ports	1 (2 ports at USL-156-B05)
Port type	10/100 Base-T (RJ45)
Auto crossover	Yes
Auto negotiation	Yes
Isolation voltage	500VAC for 1 minute
USB host	
Number of ports	1 (2 ports at USL-156-B05)
Port type	Type A
Data rate	USB 2.0 (480Mbps)
Isolation	None
Cable	USB 2.0 compliant; < 3 m (9.84 ft)
Over current protection	Yes

Environmental	
Protection	Front face : IP65/66, NEMA 4X Rear side: IP20, NEMA1
Operating temperature	-20°C to 55°C (-4°F to 131°F)
Storage temperature	-30°C to 70°C (-22°F to 158°F)
Relative Humidity (RH)	5% to 95% (non-condensing)
Operating Altitude	2,000 m (6,562 ft)
Shock	IEC 60068-2-27, 15G, 11ms duration
Vibration	IEC 60068-2-6, 5Hz to 8.4Hz, 3.5mm constant amplitude, 8.4Hz to 150Hz, 1G acceleration

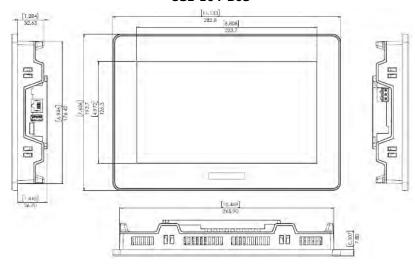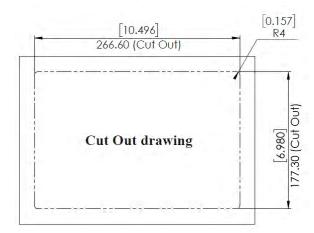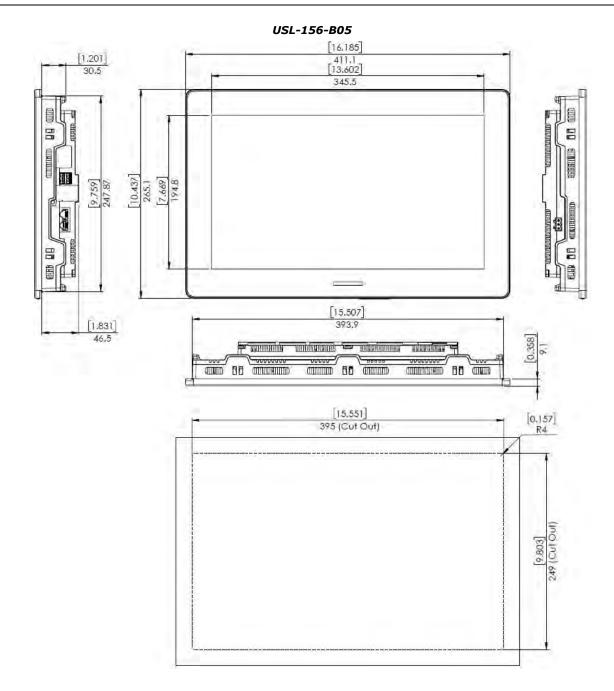| **Dimensions**		
	Weight	Size
USL-050-B05	0.28 Kg (1.32 lb)	Refer to the images on page 3
USL-070-B05	0.6 Kg (0.62 lb)	Refer to the images on page 3
USL-101-B05	1 Kg (2.2 lb)	Refer to the images on page 4
USL-156-B05	2.9 Kg (6.4 lb)	Refer to the images on page 5

spectra

USL-050-B05

Cut Out drawing

USL-070-B05

Cut Out drawing

spectra **3**

USL-104-B05

Cut Out drawing

spectra

USL-156-B05

Notes:

1. The HMI panel's backlight longevity is the typical operating time after which the brightness drops to 50% of its original level.

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