

# SoftPLC™ Web Studio HMI

**Catalog Numbers - SSH-15C, SSH-15CL, SSH-15X, SSH-15XL**

## General Description

SoftPLC Web Studio HMI's (Cat. Nos. SSH-x) are rugged graphical operator interfaces with a high resolution touchscreen display. Shallow depth, fanless design, and industrial packaging make these HMI's suitable for a wide range of applications and mounting options. SSH HMI's can be used in applications ranging from simple machine controls to complete SCADA systems, in industries such as packaging, utilities, discrete manufacturing, batch/continuous processing, HVAC, and many more.

## HMI Features

All SSH HMI models use the same powerful SoftPLC Web Studio development software, and the same application can be downloaded to any SSH HMI. Loaded with features, yet easy to use, applications can include:

- ◆ Object oriented graphic displays with customizable objects
- ◆ Extensive graphics library, or use imported files from over 15 formats
- ◆ Data Logging & Reporting
- ◆ Real-time & Historical Trending
- ◆ Alarm & Recipe Management
- ◆ Tag database with variety of data types
- ◆ Programming via flexible scripting language with over 100 functions
- ◆ Automatic language translation (Unicode supported)

In addition to the physical HMI system, the runtime application screens can be viewed simultaneously on a remote computer that connects over a TCP/IP (Internet/Intranet) web link, through the built-in Client/Server architecture. Any Client screen that displays data based on Tag values will be automatically updated whenever a Tag changes value on the Server (HMI). Security and encryption of web data is supported. A single Client session is included with each SSH unit, additional concurrent sessions can be purchased.



Two types of Web Clients are supported:

- ◆ Web Clients allow access from a common Web Browser (eg: Microsoft Internet Explorer, Netscape or Firefox). This is useful when browsing to multiple web sites may be required, such as in a desktop environment.
- ◆ Thin Clients (Secure Viewer-Based Browser) only allow access through a dedicated browser (included) that allows connection to a Web Studio Server, but the capability to browse to alternative web sites is not allowed. This provides additional security for plant-floor or dedicated supervisory applications.

## Hardware Features

All SSH HMI models include these state-of-the-art features, at no extra cost:

- ◆ High Resolution TFT Touchscreen display with 260K or more colors (64K for SSH-30Cx/60Cx)
- ◆ Bright display with wide viewing angle
- ◆ Ethernet, Serial & USB communication ports
- ◆ Removable Compact Flash (SSH-30Cx has SD flash)
- ◆ Fanless operation, NEMA4/IP65 front panel
- ◆ Suitable for industrial environments, 0-50°C (32-122°F)

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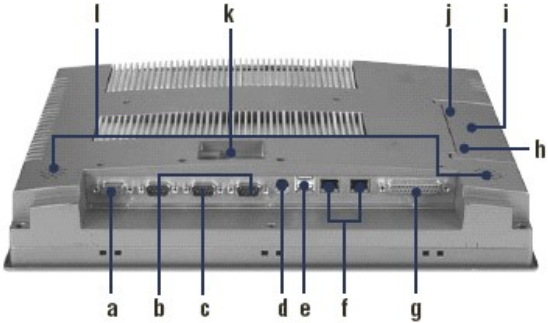
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Specifications				
	SSH-15C	SSH-15CL	SSH-15X	SSH-15XL
<b>Functionality</b>				
<b>Database Tags</b>	150 tags	1500 tags	150 tags	1500 tags
<b>Multiple Port Connectivity</b>	1 driver	3 drivers	1 driver	3 drivers
<b>System Hardware</b>				
<b>CPU</b>	1GHz CeleronM 512K (Non-Cache)			
<b>LAN</b>	(2) 10/100/1000Base-T, (1) 10/100Base-T			
<b>Serial</b>	(2) RS-232, (1) RS-232485-422			
<b>USB</b>	(2) USB 2.0			
<b>Other</b>	(1) PS/2 , (1) Parallel, (1) VGA, (1) MIC, (1) Line-in, (1) Line-out			
<b>Memory</b>	1GB DDR SDRAM			
<b>O/S</b>	WinCE		WinXPe	
<b>Expansion Slots</b>	(1) HDD/SDD (1) PCMCIA		(1) Compact Flash (1) PCMCIA	
<b>Storage</b>	256MB Compact Flash		2.5GB SDD	
<b>Watchdog Timer</b>	1 ~ 255 sec (system)			
<b>LCD Display</b>				
<b>Type</b>	XGA TFT LCD			
<b>Size</b>	15"			
<b>Max. Resolution</b>	1224 x 768			
<b>Max. Colors</b>	262K			
<b>Luminance cd / m<sup>2</sup></b>	350			
<b>Viewing Angle (H / V)</b>	120/100			
<b>Backlight Life</b>	50,000 hours			
<b>Contrast Ratio</b>	500:1			
<b>Touchscreen</b>				
<b>Lifespan (min.)</b>	1M activations			
<b>Light Transmission</b>	Above 75%			
<b>Resolution</b>	Linearity			
<b>Type</b>	8-wire, analog resistive			
<b>Environment</b>				
<b>Humidity</b>	10 ~ 95% RH @ 40°C, non-condensing			
<b>Ingress Protection</b>	Front Panel: NEMA4, IP65			
<b>Vibration Protection</b>	2 Grms (Random, Operating)			
<b>Operating Temp.</b>	0 ~ 50°C, 32 ~ 122°F			
<b>Storage Temp.</b>	-20 ~ 60°C, -4 ~ 140°F			
<b>Certifications</b>				
BSMI, CCC, CE, FCC, UL				

Mechanical	
<b>Dimensions</b>	15.8 x 12.09 x 2.54 inches, 383 x 307 x 64 mm
<b>Panel Cut-Out Dim.</b>	374.5 x 298.5 mm
<b>Weight (Net)</b>	5 kg 11.02 lb
<b>Enclosure</b>	Front Bezel: Al-Mg, Back Housing: ABS + PC
<b>Cooling System</b>	Fanless Design
<b>Power Consumption</b>	42W
<b>Power Input</b>	18 ~ 32VDC

Recommended Options	
<b>ICO-PS6024</b>	Din Rail Mount Power Supply, 60W, 24VDC
<b>GCL-x</b>	Gatecraft™ Link Industrial Ethernet Switch
<b>ICO-SSx</b>	Surge Suppression Equipment
<b>SSD-x</b>	Studio Development Software
<b>SSR-WSx</b>	Web Thin Client License for x concurrent sessions (IE6.0 or later)
<b>SSR-SVx</b>	Thin Client License (Secure Viewer-based Browser) for x concurrent sessions
<b>SS-BSS</b>	SoftPLC Studio Technical Support/Update Plan

SSH-15x Rear View



- a. VGA
- b. COM (RS-232)
- c. COM (RS-232/422/485)
- d. PS/2
- e. USB 2.0
- f. LAN (10/100/1000)
- g. LPT
- h. Audio (MIC, Line-Out, Line-in)
- i. PCMCIA
- j. CompactFlash
- k. Power Switch, Fuse (3.15A), Power Receptor
- l. Speaker

SSH-15x Mounting Diagram

