

SoftPLC™ Web Studio HMI

Catalog Number - SSH-30C, SSH-30CL

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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Specifications		
	SSH-30C	SSH-30CL
Functionality		
Database Tags	150 tags	1500 tags
Multiple Port Connectivity	1 driver	3 drivers
System Hardware		
CPU	312MHz Intel XScale PXA270	
LAN Ports	(1) 10/100BASE-T	
Serial Ports	(1) RS-232/485	
USB	(1) USB 1.1 host	
Expansion Slots	SD Card	
Memory	64MB SDRAM	
Storage	32MB Flash on board	
O/S	Win CE	
Watchdog Timer	Programmable 250ms/500ms/1 sec	
LCD Display		
Display Type	QVGA TFT LCD	
Display Size	3.5"	
Max Resolution	320 x 234	
Max Colors	64K	
Luminance cd/m²	200	
Viewing Angle (H/V)	120/110	
Backlight Life	30,000 hours	
Contrast Ratio	300:1	
Touchscreen		
Lifespan (minimum)	1M activations	
Light Transmission	Above 80%	
Resolution	Linearity	
Type	4-wire, analog resistive	
Environment		
Humidity	10 ~ 95% RH @ 40°C, non-condensing	
Ingress Protection	Front Panel: NEMA4, IP65	
Operating Temperature	0 ~ 50°C, 32 ~ 122°F	
Storage Temperature	-20 ~ 60°C, -4 ~ 140°F	
Vibration Protection	1 Grms (Random, Operating)	
Certifications		
BSMI, CCC, CE, FCC, UL		

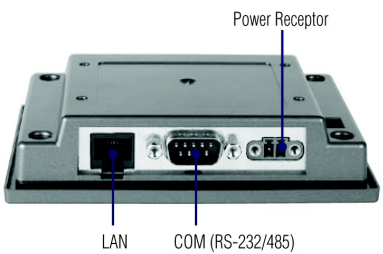
Mechanical	
Dimensions (WxHxD)	4.76 x 3.37 x 1.04 inches, 120.8 x 85.5 x 26.5 mm
Panel Cut-Out Dimensions	115 x 79.5 mm
Enclosure	ABS
Cooling System	Fanless Design
Power Consumption	8W
Power Input	8 ~ 28VDC
Weight (Net)	0.25 kg, .55 lbs

Recommended Options	
ICO-PS2024	Din Rail Mount Power Supply, 20W, 24VDC
GCL-x	Gatecraft™ Link Industrial Ethernet Switch
ICO-SSx	Surge Suppression Equipment
SSD-x	SoftPLC Web Studio Development Software
SSR-WSx	Web Thin Client License for x concurrent sessions (IE6.0 or later)
SSR-SVx	Thin Client License (Secure Viewer-based Browser) for x concurrent sessions
SS-BSS	SoftPLC Studio Technical Support/Update Plan

SSH-30Cx: Side View



SSH-30Cx Rear View



SSH-30Cx Mounting Diagram

Unit: mm

