

SYSCON

PlantStar HMI

The SYSCON PlantStar HMI (Human Machine Interface) is an industrial touchscreen device that is used to provide information to machine operators from the SYSCON PlantStar software and to allow operators to provide input and take essential actions on the shop floor. All these functions are provided in an easy-to-use browser-based interface with touchscreen control.



KEY FUNCTIONS

- View Job Schedule and Machine Status information
- Enter Downtime, Rejects/Scrap, and enter Operator Assist requests.
- Review Job Set Up Sheets to view training documents, product images or specific customer uploaded videos.
- Utilize log in/out and User Action Security functions to provide labor tracking and accountability.
- Review Charts and Reports providing real-time data from the shop floor.
- Print tote/box/part labels (if equipped).
- Scan external work order barcodes (if equipped).

FEATURES AND BENEFITS

- Industrial HMI with 15" touch screen interface to PlantStar system.
- Includes ethernet and four (4) USB ports for optional keyboard, printer, and optical scanner connectivity.
- Industrial case with VESA mount or surface mount brackets.
- Optional external HDMI port for overhead dashboard display. Display your production events on a large screen throughout your factory.
- High speed processor and built-in browser optimized for use with PlantStar system software.
- All-new design with multiple mounting options, easy access front panel. gloss white powder coated enclosure.
- Optional floor mount pedestal with internal cabling for a clean installation with no exposed wiring.

System Resources	
Display Colors	32bit
Resolution	1024x768
Brightness	200 nits
Touchscreen	Capacitive Touch Single Point
CPU	Broadcom BC<2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.5GHz
Operating System	Raspberry Pi OS
Flash	EEPROM (4Mbits/512KB)
RAM	4GB LpDDR4-3200
Interface	
Ethernet Port	(1) 1000Mbps
Wireless Networking	2.4 and 5.0 GHz 802.11ac
Bluetooth	Bluetooth 5.0, BLE
USB Port	(2) USB 2.0, (2) USB 3.0
SD Card	32 GB
Expansion	USB Expansion Options
Video	(1) External HDMI-common use case if for large screen mirrored displays
Audio	4-pole stereo audio and composite video port
Ratings	
Power Supply	12V
Current Consumption	CPU - 3A MAX @ 5V, Monitor 6A @12V
Battery	none
Minimun Lifespan	Available until at least Jan 2026
Environmental Conditions	
Operating Temp	0-50C Ambient
Storage Temp	-20 to 80C
Dimensions and Weight	
Faceplate LxH	12" x 9"
Overall Size LxH	16.9" x 13.4"
Depth	4.1"

