SPC-815/SPC-821

15.6" HD TFT LED LCD/21.5" Full HD TFT **LED LCD Standalone Multi-Touch Panel** Computer



Features

- 15.6"/21.5" (Full) HD TFT LED LCD display
- Intel® Core™ i3-6100U dual-core, 2.3 GHz processor
- 16:9 widescreen with P-CAP multi-touch control
- Built-in function keys for intuitive operation
- Scratch-resistant touch panel with 7H surface hardness
- Silicone-free enclosure with all-round IP65-rated protection
- Supports CP 40 (Rittal) and CS-480 B.Flex (Bernstein) mount standards
- Front-facing USB ensures easy maintenance
- Supports the RAFI FS22+ Series pushbuttons

Introduction

SPC-800 is an arm-mounted HMI that can be integrated with an extension unit that supports RAFI FS22+ Series pushbuttons. Designed to support diverse industrial mounting standards, such as CP 40 (Rittal) and CS-480 (Bernstein), SPC-800 provides a versatile HMI that can be installed in a variety of intelligent factories and machines. The SPC-800 is powered by an Intel® Core™ i3-6100U 2.3 GHz processor that delivers advanced graphical performance to facilitate the realization of field IoT applications. The HMI is also equipped with a silicone-free enclosure that features all-around IP65-rated protection from water and dust. Moreover, with the inclusion of an I/O cover, all cables can be hidden for a tidy appearance and simplified wiring installation...

Specifications

General

Certification

Cooling System

Dimensions (W x H x D)

CCC, CE, FCC Class A, UL Fanless design SPC-815:

402.19 x 333.19 x 67 mm/15.83 x 13.11 x 2.63 in (without

flange for arm mount) 402.19 x 333.19 x 160 mm/15.83 x 13.11 x 6.29 in (with flange for arm mount)

546.69 x 420.34 x 67 mm/21.52 x 16.54 x 2.63 in (without

flange for arm mount)

546.69 x 420.34 x 160 mm/21.52 x 16.54 x 6.29 in (with

flange for arm mount)

Front bezel: Die-cast aluminum allov Rear housing: Die-cast aluminum alloy Front push button bracket: metal sheet Pole Mount: Supports Rittal CP40 and Bernstein

CS-480 B.Flex arm system dimension VESA Mount (Optional)

Microsoft® Windows 10 Enterprise LTSB OS Sunnort Power Consumption 35 W Typical, Max. 60 W Typical

Power Input

Mount Options

Enclosure

Weight (Net)

24 V_{DC} 21.5": 10.6 kg/23.3 lb 15.6": 8.2kg/18.1 lb

System

- CPU Intel® Skylake U-series Processor Intel® Core™

i3-6100U, 2.3 GHz i7-6600U, 2.6 GHz (optional)

i5-6300U, 2.4 GHz (optional) Celeron® 3955U, 2.0 GHz (optional) 8 GB SODIMM DDR3L SDRAM, up to 16 GB RAM Memory

2 x 10/100/1000 BASE-T LAN **Expansion Slots** 1 x Full-sized mini PCIe (optional) Storage 1 x 2.5" SATA HDD bracket 1 x USB 2.0 (front)

2 x USB 3.0 COM Port 2 x RS-232/422/485 (optional)

LCD Display

Display Type

21.5" Full HD TFT LED 15.6" HD TFT LED (FHD optional)

Display Size

Max. Resolution

Max. Colors Luminance

Viewing Angle (H/V)

Backlight

Touchscreen

 Light Transmission Resolution

Type

>88% 4096 x 4096 dots Projected capacitive

50 000 hr lifetime

21.5": 1920 x 1080 15.6": 1366 x 768

250 (21.5")/400 cd/m² (15.6") 21.5": 178°/178° 15.6": 170°/130°

16.7 M

Environment

Humidity

Ingress Protection **Operating Temperature**

Storage Temperature Vibration Protection

10 ~ 95% RH @ 40 °C/104 °F, non-condensing

(tested for 48 hrs) All-round IP65 rating 0 ~ 55 °C (32 ~ 131 -20 ~ 60 °C (-4 ~ 140 °F) With SSD: 1 Grms (5 ~ 500 Hz) (Operating, random vibration)

Modular Ordering Information

Base Unit

SPC-821-633A

SPC-815-633A

front USB, Intel i3-6100U CPU,8 GB RAM IP65-rated standalone panel PC with 15.6" HD, P-CAP touch, front USB, Intel i3-6100U CPU,8 GB RAM

IP65-rated standalone panel PC with 21.5" FHD, P-CAP touch,

Push Button Panel

SPC-821-PBEK

SPC-815-PBEK

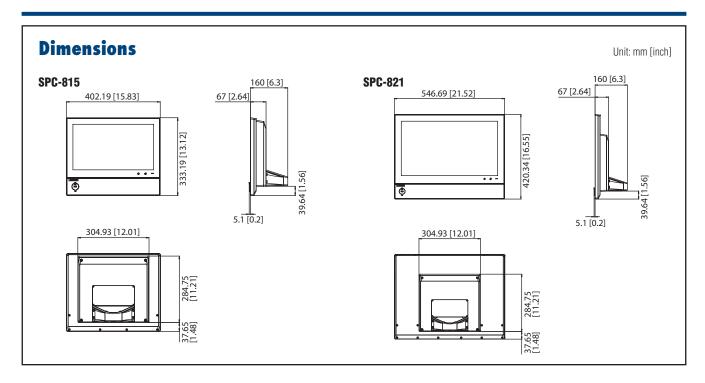
SPC-821-W0EK

21.5" push button panel, 1x emergency button, 1x green button, 1x red button, 1 x blue button with PCBA, 1 x big terminal board, 2 x 20-pin connector

15.6" push button panel, 1x emergency button, 1x green button, 1x red button, 1 x blue button with PCBA, 1 x big terminal board, 2 x 20-pin connector

21.5" push button panel, w/o push button,w/o PCBA, 1 x big terminal board, 2 x 20-pin connector 15.6" push button panel, w/o push button, w/o PCBA,

 SPC-815-W0EK 1 x big terminal board, 2 x 20-pin connector



Optional Accessories

Power cable US plug 1.8 M
Power cable EU plug 1.8 M
Power cable UK plug 1.8 M
Power cable China/Australia plug 1.8 M
Half-size mini PCle to full-size mini PCle bracket set 170200260017020026051702031801

1700000596

9656EWMG00E

96PSA-A120W24T2 Adapter 100 ~ 240V 120W 24V 5A

Img W10 LTSC V6.05.017 SPC-815/821-6xxAE High (For 20703WX9HS0014

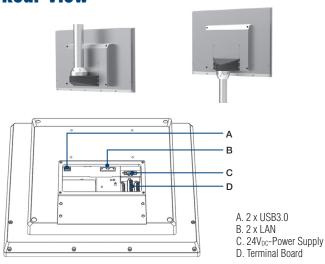
Core i7 version)
Img W10 LTSC V6.05.017 SPC-815/821-6xxAE Value (For 20703WX9VS0017

core i3 / Celeron use)

For Supporting WOEK expand button

Emergency push button PCBA with cable 3 push button PCBA with cable 98R30800P01 98R30800P04 98R30800P06 2 push button PCBA with cable 98R30800P05 1 push button PCBA with cable

Rear View



Push Button Pin Definition





CN8				
10	S3 NC	20	GND	
9	S3 N0	19	S4 LED (+24V)	
8	S3 COM	18	S3 LED (+24V)	
7	S2 NC	17	S2 LED (+24V)	
6	S2 N0	16	S5 NC	
5	S2 COM	15	S5 NO	
4	S1 NC2	14	S5 COM	
3	S1 COM2	13	S4 NC	
2	S1 NC1	12	S4 N0	
1	S1 COM1	11	S4 COM	

CN7				
10	S5 LED (+24V)	20	GND	
9	S8 NC	19	GND	
8	S8 NO	18	S7 LED (+24V)	
7	S8 COM	17	S6 LED (+24V)	
6	S7 NC	16	S10 NC	
5	S7 N0	15	S10 N0	
4	S7 COM	14	S10 COM	
3	S6 NC	13	S9 NC	
2	S6 NO	12	S9 NO	
1	S6 COM	11	S9 COM	