

SPC-815(M) / SPC-821(M)

15.6" HD TFT LED LCD/21.5" Full HD TFT LED LCD Standalone Multi-Touch Industrial Monitor



Features

- 15.6"/21.5" (Full) HD TFT LED LCD display
- 16:9 widescreen with P-CAP multi-touch control
- Built-in function keys for intuitive operation
- Scratch-resistant touch panel with 7H surface hardness
- Front-facing LED indicators show operating status
- 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-815 (M) and SPC-821 (M) are standalone multi-touch industrial monitors that can be pole mounted and integrated with an extension unit that supports RAFI FS22+ Series pushbuttons. Designed to be compatible with diverse industrial mounting standards, such as CP 40 (Rittal) and CS-480 B.Flex (Bernstein), SPC-815 (M) and SPC-821 (M) provide versatile monitors that can be installed in a variety of intelligent factories. The monitors are 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** CCC, CE, FCC Class A, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)**
 - 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)
 - SPC-821:
 - 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)
- **Enclosure**
 - Front bezel: Die-cast aluminum alloy
 - Rear housing: Die-cast aluminum alloy
 - Front push button bracket: metal sheet
- **Mount Options** Pole Mount: Supports Rittal CP40 and Bernstein CS-480 B.Flex arm system dimension
VESA Mount (Optional)
- **Power Input** 24 V_{DC}
- **Weight (Net)**
 - 21.5": 8 kg/ 17.6 lb
 - 15.6": 7.2 kg/ 15.9 lb
- **Video Input** DP, HDMI, HD BASE-T

LCD Display

- **Display Type**
 - 21.5" Full HD TFT LED
 - 15.6" HD TFT LED (FHD optional)
- **Display Size** 21.5"/15.6"
- **Max. Resolution**
 - 21.5": 1920 x 1080
 - 15.6": 1366 x 768
- **Max. Colors** 16.7 M
- **Luminance** 250 (21.5")/400 (15.6") cd/m²
- **Viewing Angle (H/V)**
 - 21.5": 178°/178°
 - 15.6": 170°/130°
- **Backlight** 50,000 hr lifetime

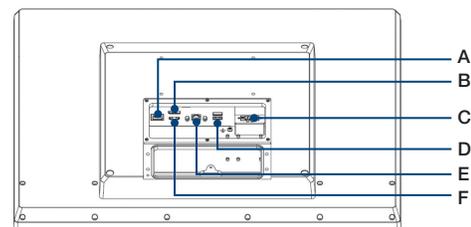
Touchscreen

- **Light Transmission** ≥88%
- **Resolution** 4096 x 4096 dots
- **Type** Projected capacitive
- **OS Support** Windows® 7/8/10/XPe/CE and Linux
- **Hardness** 7H
- **Multi Touch** 10 points, USB interface in Win 7/8/10, Linux

Environment

- **Humidity** 10 ~ 95% RH @ 40 °C/104 °F, non-condensing (tested for 48 hrs)
- **Ingress Protection** All-round IP65 rating
- **Operating Temperature** 0 ~ 55 °C (32 ~ 131 °F)
- **Storage Temperature** -20 ~ 60 °C (-4 ~ 140 °F)

Rear View

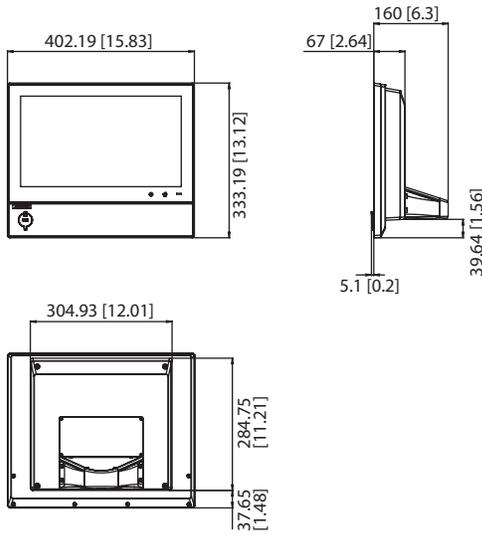


- A. RX (RJ-45)
- B. DP
- C. 24V_{DC}-Power Supply
- D. 2 x USB 3.0
- E. USB2.0
- F. HDMI

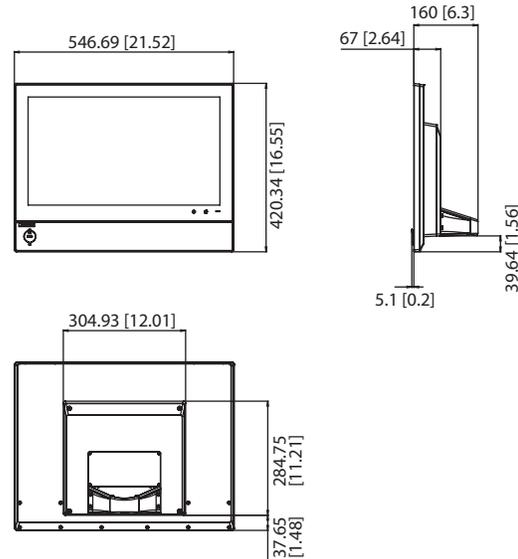
Dimensions

Unit: mm [inch]

SPC-815(M)



SPC-821(M)



Ordering Information

- **SPC-821-M7AG** IP65-rated standalone monitor with 21.5" FHD, P-CAP touch, front USB, DP+HDMI
- **SPC-815-M7AG** IP65-rated standalone monitor with 15.6" HD, P-CAP touch, front USB, DP+HDMI
- **SPC-821-M7AP** IP65-rated standalone monitor with 21.5" FHD, P-CAP touch, front USB, DP+HDMI, 1 x emergency button, 1 x green button, 1 x red button, 1 x blue button
- **SPC-815-M7AP** IP65-rated standalone monitor with 15.6" HD, P-CAP touch, front USB, DP+HDMI, 1 x green button, 1 x red button, 1 x blue button
- **SPC-815-MLAG** IP65-rated standalone monitor with 15.6" HD, P-CAP touch, front USB, DP+HDMI+HD Base-T (iLink)
- **SPC-821-MLAG** IP65-rated standalone monitor with 21.5" FHD, P-CAP touch, front USB, DP+HDMI+HD Base-T (iLink)
- **SPC-815-MLAP** IP65-rated standalone monitor with 15.6" HD, P-CAP touch, front USB, DP+HDMI+HD Base-T (iLink), 1 x emergency button, 1 x green button, 1 x red button, 1 x blue button
- **SPC-821-MLAP** IP65-rated standalone monitor with 21.5" FHD, P-CAP touch, front USB, DP+HDMI+HD Base-T (iLink), 1 x emergency button, 1 x green button, 1 x red button, 1 x blue button

*For HD Base-T, Advantech selected box PC with iDoor PCM-29R1TX is required.
Contact your local sales or distributor for more information

Optional Accessories

- **1702002600** Power cable US plug 1.8 M
- **1702002605** Power cable EU plug 1.8 M
- **1702031801** Power cable UK plug 1.8 M
- **1700000596** Power cable China/Australia plug 1.8 M
- **96PSA-A60W24T2** Adapter 100 ~ 240V 60W 24V 2.5A

Push Button Pin Definition



| CN2 | | CN1 | |
|-----|------------------------------|-----|------------------------------|
| 10 | S3 N/C Contact | 6 | GND |
| 9 | S3 N/O Contact | 5 | LED4 in S4_24V |
| 8 | S3 N/O Contact / N/C Contact | 4 | LED2 in S2_24V |
| 7 | S2 N/C Contact | 3 | S4 N/C Contact |
| 6 | S2 N/O Contact | 2 | S4 N/O Contact |
| 5 | S2 N/O Contact / N/C Contact | 1 | S4 N/O Contact / N/C Contact |
| 4 | S1 N/C Contact2 | | |
| 3 | S1 N/C Contact2 | | |
| 2 | S1 N/C Contact1 | | |
| 1 | S1 N/C Contact1 | | |

| CN3 | | S1_E2NC | |
|-----|-----------------|---------|--|
| 6 | NA | | |
| 5 | GND | | |
| 4 | S1 N/C Contact2 | | |
| 3 | S1 N/C Contact1 | | |
| 2 | S1 N/C Contact2 | | |
| 1 | S1 N/C Contact1 | | |

| CN4 | | S2/S3/S4_1NC1NO | |
|-----|------------------------------|-----------------|--|
| 20 | GND | | |
| 19 | GND | | |
| 18 | NA | | |
| 17 | LED4 in S4_24V | | |
| 16 | NA | | |
| 15 | S4 N/C Contact | | |
| 14 | NA | | |
| 13 | S4 N/O Contact / N/C Contact | | |
| 12 | NA | | |
| 11 | S4 N/O Contact | | |
| 10 | GND | | |
| 9 | GND | | |
| 8 | NA | | |
| 7 | LED2 in S2_24V | | |
| 6 | S3 N/C Contact | | |
| 5 | S2 N/C Contact | | |
| 4 | S3 N/O Contact / N/C Contact | | |
| 3 | S2 N/O Contact / N/C Contact | | |
| 2 | S3 N/O Contact | | |
| 1 | S2 N/O Contact | | |

*The pin definition shown here is for standard model. For different types and quantity of push button please contact your local sales or distributor for more information.