

## Technical Specifications – PanelView Plus 7 Performance 10-in and 12-in Terminals

| Attribute                           | 10.4-in. Touch                                                                                                                                                                                                                       |                                       | 10.4-in. Touch with Keypad                                |                                       | 12.1-in. Touch                                              |                                       |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|---------------------------------------|
|                                     | 2711P-T10C22D9P,<br>2711P-T10C22D9P-B,<br>2711P-T10C22D9PK                                                                                                                                                                           | 2711P-T10C22A9P,<br>2711P-T10C22A9P-B | 2711P-B10C22D9P,<br>2711P-B10C22D9P-B                     | 2711P-B10C22A9P,<br>2711P-B10C22A9P-B | 2711P-T12W22D9P,<br>2711P-T12W22D9P-B,<br>2711P-T12W22D9PK  | 2711P-T12W22A9P,<br>2711P-T12W22A9P-B |
| Operator input                      | Touch                                                                                                                                                                                                                                |                                       | Touch with keypad                                         |                                       | Touch                                                       |                                       |
| Display type                        | TFT Color                                                                                                                                                                                                                            |                                       |                                                           |                                       |                                                             |                                       |
| Display size, diagonal              | 10.4-in.                                                                                                                                                                                                                             |                                       |                                                           |                                       | 12.1-in. wide screen                                        |                                       |
| Viewing area (W x H)                | 211 x 158 mm (8.3 x 6.2 in.)                                                                                                                                                                                                         |                                       |                                                           |                                       | 261 x 163 mm (10.3 x 6.4 in.)                               |                                       |
| Display resolution                  | <b>(Series A)</b><br>800 x 600 VGA, 18-bit color graphics                                                                                                                                                                            |                                       |                                                           |                                       | <b>(Series A)</b><br>1280 x 800 WXGA, 18-bit color graphics |                                       |
|                                     | <b>(Series B)</b><br>800 x 600 VGA, 24-bit color graphics                                                                                                                                                                            |                                       |                                                           |                                       | <b>(Series B)</b><br>1280 x 800 WXGA, 24-bit color graphics |                                       |
| Aspect ratio                        | 4:3                                                                                                                                                                                                                                  |                                       |                                                           |                                       | 16:10                                                       |                                       |
| Brightness, typical                 | 300 cd/m2 (Nits) or more                                                                                                                                                                                                             |                                       |                                                           |                                       |                                                             |                                       |
| Backlight life                      | White light-emitting diode, solid-state<br>Life: 50,000 h min at 40 °C (104 °F) to half-brightness; backlight is not replaceable                                                                                                     |                                       |                                                           |                                       |                                                             |                                       |
| Touch screen                        | Analog resistive<br>Actuation rating: 1 million presses<br>Operating force: 100 grams                                                                                                                                                |                                       |                                                           |                                       |                                                             |                                       |
| Battery<br>(real-time clock backup) | Accuracy: ±2 minutes per month.<br>Battery life: 4 years min at 25 °C (77 °F)<br>Replacement: CR2032 lithium coin cell                                                                                                               |                                       |                                                           |                                       |                                                             |                                       |
| Memory:<br>• System<br>• User       | <b>(Series A)</b><br>512 MB RAM and 512 MB storage<br>80 MB, approx, nonvolatile storage for applications                                                                                                                            |                                       |                                                           |                                       |                                                             |                                       |
|                                     | <b>(Series B)</b><br>4 GB RAM and 19.87 GB storage<br>2 GB, approx, nonvolatile storage for applications                                                                                                                             |                                       |                                                           |                                       |                                                             |                                       |
| Secure Digital (SD) card slot       | One SD card slot for external storage; supports cat. no. 1784-SDx and 1784-SDHCx cards                                                                                                                                               |                                       |                                                           |                                       |                                                             |                                       |
| USB ports:<br>• Host<br>• Device    | <b>(Series A)</b><br>Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release                           |                                       |                                                           |                                       |                                                             |                                       |
|                                     | <b>(Series B)</b><br>One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release |                                       |                                                           |                                       |                                                             |                                       |
| Operating system                    | <b>(Series A)</b><br>Windows CE 6.0 with Extended Features and Microsoft Office Viewers (includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support)                                                  |                                       |                                                           |                                       |                                                             |                                       |
|                                     | <b>(Series B)</b><br>Windows 10 IoT Core                                                                                                                                                                                             |                                       |                                                           |                                       |                                                             |                                       |
| Ethernet ports                      | Two 10/100Base-T, Auto MDI/MDIX Ethernet ports that support Device Level Ring (DLR), linear, or star network topologies                                                                                                              |                                       |                                                           |                                       |                                                             |                                       |
| Software                            | FactoryTalk View Studio for Machine Edition, FactoryTalk ViewPoint, version 2.6 or later                                                                                                                                             |                                       |                                                           |                                       |                                                             |                                       |
| Input voltage                       | 24V DC nom<br>(18...30V DC)                                                                                                                                                                                                          | 100...240V AC                         | 24V DC nom<br>(18...30V DC)                               | 100...240V AC                         | 24V DC nom<br>(18...30V DC)                                 | 100...240V AC                         |
| Power consumption                   | <b>(Series A)</b><br>50 W max<br>(2.1 A at 24V DC)                                                                                                                                                                                   | 105VA                                 | <b>(Series A)</b><br>50 W max<br>(2.1 A at 24V DC)        | 105VA                                 | <b>(Series A)</b><br>50 W max<br>(2.1 A at 24V DC)          | 105VA                                 |
|                                     | <b>(Series B)</b><br>32 W max                                                                                                                                                                                                        |                                       | <b>(Series B)</b><br>32 W max                             |                                       | <b>(Series B)</b><br>33 W max                               |                                       |
| Power supply                        | Supports (SELV) and (PELV) 24V DC supplies <sup>(1)</sup>                                                                                                                                                                            | —                                     | Supports (SELV) and (PELV) 24V DC supplies <sup>(1)</sup> | —                                     | Supports (SELV) and (PELV) 24V DC supplies <sup>(1)</sup>   | —                                     |
| Weight, approx                      | 2.28 kg (5.03 lb)                                                                                                                                                                                                                    |                                       | 2.58 kg (5.69 lb)                                         |                                       | 2.54 kg (5.60 lb)                                           |                                       |
| Dimensions, approx (H x W x D)      | 252 x 297 x 69.6 mm<br>(9.92 x 11.69 x 2.74 in.)                                                                                                                                                                                     |                                       | 252 x 385 x 69.6 mm<br>(9.92 x 15.16 x 2.74 in.)          |                                       | 240 x 340 x 69.6 mm<br>(9.69 x 13.39 x 2.74 in.)            |                                       |
| Cutout dimensions, approx (H x W)   | 224 x 269 mm<br>(8.82 x 10.59 in.)                                                                                                                                                                                                   |                                       | 224 x 335 mm<br>(8.82 x 13.19 in.)                        |                                       | 218 x 312 mm<br>(8.58 x 12.28 in.)                          |                                       |

(1) DC-powered terminals support safety extra low voltage (SELV) and protective extra low voltage (PELV) 24V DC power supplies such as cat. nos. 1606-XLP95E, 1606-XLP100E, 2711P-RSACDIN.

## PanelView Plus 7 Performance Stainless Steel Terminals

### Technical Specifications - PanelView Plus 7 Performance Stainless Steel Terminals

| Attribute                         | 9-in. Touch<br>2711P-T9W22D9P-BSHK                                                                                                                                                                                                                                                                                                                                                                                                                     | 10.4-in. Touch<br>2711P-T10C22D9P-BSHK                                                                                                                                                                                               | 12.1-in. Touch<br>2711P-T12W22D9P-BSHK                                                                                                                                                                                                                                                                                                                                                                                                                 | 15-in. Touch<br>2711P-T15C22D9P-BSHK                                                                                                                                                                                                 |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operator input                    | Touch                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Display type                      | TFT Color                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Display size, diagonal            | 9-in. wide screen                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10.4-in. screen                                                                                                                                                                                                                      | 12.1-in. wide screen                                                                                                                                                                                                                                                                                                                                                                                                                                   | 15-in. screen                                                                                                                                                                                                                        |
| Viewing area (W x H)              | 196 x 118 mm (7.7 x 4.6 in.)                                                                                                                                                                                                                                                                                                                                                                                                                           | 211 x 158 mm (8.3 x 6.2 in.)                                                                                                                                                                                                         | 261 x 163 mm (10.3 x 6.4 in.)                                                                                                                                                                                                                                                                                                                                                                                                                          | 304 x 228 mm (12.0 x 9.0 in.)                                                                                                                                                                                                        |
| Display resolution                | <b>(Series B)</b><br>800 x 480 WVGA, 18-bit color graphics<br><br><b>(Series C)</b><br>800 x 480 WVGA, 24-bit color graphics                                                                                                                                                                                                                                                                                                                           | <b>(Series C)</b><br>800 x 600 SVGA, 24-bit color graphics                                                                                                                                                                           | <b>(Series B)</b><br>1280 x 800 WXGA, 18-bit color graphics<br><br><b>(Series C)</b><br>1280 x 800 WXGA, 24-bit color graphics                                                                                                                                                                                                                                                                                                                         | <b>(Series C)</b><br>1024 x 768 XGA, 24-bit color graphics                                                                                                                                                                           |
| Aspect ratio                      | 5:3                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4:3                                                                                                                                                                                                                                  | 16:10                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4:3                                                                                                                                                                                                                                  |
| Brightness, typical               | 300 cd/m2 (nits) or more                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Backlight life                    | White light-emitting diode, solid-state<br>Life: 50,000 h min at 40 °C (104 °F) to half-brightness, backlight is not replaceable                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Touch screen                      | Analog resistive<br>Actuation rating: 1 million presses<br>Operating force: 100 grams                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Battery (real-time clock backup)  | Accuracy: ±2 minutes per month<br>Battery life: 4 years min at 25 °C (77 °F)<br>Replacement: CR2032 lithium coin cell                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Memory:<br>• System<br>• User     | <b>(Series B)</b><br>512 MB RAM and 512 MB storage<br>80 MB, approx, nonvolatile storage for applications<br><br><b>(Series C)</b><br>4 GB RAM and 19.87 GB storage<br>2 GB, approx, nonvolatile storage for applications                                                                                                                                                                                                                              | <b>(Series C)</b><br>4 GB RAM and 19.87 GB storage<br>2 GB, approx, nonvolatile storage for applications                                                                                                                             | <b>(Series B)</b><br>512 MB RAM and 512 MB storage<br>80 MB, approx, nonvolatile storage for applications<br><br><b>(Series C)</b><br>4 GB RAM and 19.87 GB storage<br>2 GB, approx, nonvolatile storage for applications                                                                                                                                                                                                                              | <b>(Series C)</b><br>4 GB RAM and 19.87 GB storage<br>2 GB, approx, nonvolatile storage for applications                                                                                                                             |
| Secure Digital (SD) card slot     | One SD card slot for external storage; supports cat. no. 1784-SDx and 1784-SDHCx cards                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| USB ports:<br>• Host<br>• Device  | <b>(Series B)</b><br>Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release<br><br><b>(Series C)</b><br>One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release | <b>(Series C)</b><br>One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release | <b>(Series B)</b><br>Two USB high-speed 2.0 host ports (type A) support removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release<br><br><b>(Series C)</b><br>One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release | <b>(Series C)</b><br>One USB high-speed 3.0 host port and one USB 2.0 host port (Type A) supports removable flash drives for external storage<br>One high-speed 2.0 device port (type B) that will be functional in a future release |
| Operating system                  | <b>(Series B)</b><br>Windows CE 6.0 with Extended Features and Microsoft Office Viewers<br>(includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support)<br><br><b>(Series C)</b><br>Windows 10 IoT Core                                                                                                                                                                                                                 | <b>(Series C)</b><br>Windows 10 IoT Core                                                                                                                                                                                             | <b>(Series B)</b><br>Windows CE 6.0 with Extended Features and Microsoft Office Viewers<br>(includes FTP, VNC client server, ActiveX controls, PDF reader, third-party device support)<br><br><b>(Series C)</b><br>Windows 10 IoT Core                                                                                                                                                                                                                 | <b>(Series C)</b><br>Windows 10 IoT Core                                                                                                                                                                                             |
| Ethernet ports                    | Two 10/100Base-T, Auto MDI/MDIX Ethernet ports that support Device Level Ring (DLR), linear, or star network topologies                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Software                          | FactoryTalk View Studio for Machine Edition, FactoryTalk ViewPoint, version 2.6 or later                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Input voltage                     | 24V DC nom (18...30V DC)                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Power consumption                 | <b>(Series B)</b><br>50 W max<br>(2.1 A at 24V DC)<br><br><b>(Series C)</b><br>30 W max                                                                                                                                                                                                                                                                                                                                                                | <b>(Series C)</b><br>32 W max                                                                                                                                                                                                        | <b>(Series B)</b><br>50 W max<br>(2.1 A at 24V DC)<br><br><b>(Series C)</b><br>33 W max                                                                                                                                                                                                                                                                                                                                                                | <b>(Series C)</b><br>39 W max                                                                                                                                                                                                        |
| Power supply                      | Supports (SELV) and (PELV) 24V DC supplies <sup>(1)</sup>                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Stainless-steel bezel             | 316 stainless steel with hygienic No. 4 finish                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Silicone gasket                   | Gasket material is compliant with FDA 21 CFR 177.2600                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| Weight, approx                    | 2.1 kg (4.6 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.25 kg (7.2 lbs)                                                                                                                                                                                                                    | 3.7 kg (8.2 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4.7 kg (10.4 lbs)                                                                                                                                                                                                                    |
| Dimensions, approx (H x W x D)    | 190 x 280 x 69.6 mm<br>(7.48 x 11.02 x 2.74 in.)                                                                                                                                                                                                                                                                                                                                                                                                       | 252 x 297 x 69.6 mm<br>(9.92 x 11.69 x 2.74 in.)                                                                                                                                                                                     | 240 x 340 x 69.6 mm<br>(9.69 x 13.39 x 2.74 in.)                                                                                                                                                                                                                                                                                                                                                                                                       | 318 x 381 x 69.6 mm<br>12.52 x 15.00 x 2.74 in                                                                                                                                                                                       |
| Cutout dimensions, approx (H x W) | 162 x 252 mm<br>(6.38 x 9.92 in.)                                                                                                                                                                                                                                                                                                                                                                                                                      | 224 x 269 mm<br>(8.82 x 10.59 in.)                                                                                                                                                                                                   | 218 x 312 mm<br>(8.58 x 12.28 in.)                                                                                                                                                                                                                                                                                                                                                                                                                     | 290 x 353 mm<br>11.42 x 13.90 in                                                                                                                                                                                                     |

(1) DC-powered terminals support safety extra low voltage (SELV) and protective extra low voltage (PELV) 24V DC power supplies such as cat. nos. 1606-XLP95E, 1606-XLP100E, 2711P-RSACDIN.

## Accessories

This section describes accessories for the PanelView Plus 7 Performance and ArmorView Plus 7 terminals.

### Protective Overlays

| Cat. No. <sup>(1)</sup>      | Display Size    | Operator Input |               | Quantity |
|------------------------------|-----------------|----------------|---------------|----------|
|                              |                 | Touch          | Key and Touch |          |
| 2711P-RGT7SP                 | 6.5-in.         | •              |               | 3        |
| 2711P-RGB7P                  |                 |                | •             |          |
| 2711P-RGT9SP                 | 9-in. (wide)    | •              |               |          |
| 2711P-RGT10SP                | 10.4-in.        | •              |               |          |
| 2711P-RGB10P                 |                 |                | •             |          |
| 2711P-RGT12SP <sup>(2)</sup> | 12.1-in. (wide) | •              |               |          |
| 2711P-RGT15SP                | 15-in.          | •              |               |          |
| 2711P-RGB15P                 |                 |                | •             |          |
| 2711P-RGT19P                 | 19-in.          | •              |               |          |

(1) The use of protective overlays may not be compatible in all hygienic applications. Consult the standards and protocols for your hygienic applications before you use a protective overlay on a stainless-steel terminal.

(2) On ArmorView Plus 7 terminals, the protective overlay covers only the touch screen portion of the product.

### Power Supplies and Power Terminal Blocks

| Cat. No.      | Description                                               | Quantity |
|---------------|-----------------------------------------------------------|----------|
| 1606-XLP95E   | DIN rail power supply, 24...28V DC output voltage, 95 W   | 1        |
| 1606-XLP100E  | DIN rail power supply, 24...28V DC output voltage, 100 W  | 1        |
| 2711P-RSACDIN | DIN rail power supply, AC-to-DC, 85...265V AC, 47...63 Hz | 1        |
| 2711P-RTBAP   | 3-pin AC power terminal block                             | 10       |
| 2711P-RTBDSP  | 3-pin DC power terminal block                             | 10       |

### Mounting Hardware

| Cat. No.                  | Description                                                     | Quantity |
|---------------------------|-----------------------------------------------------------------|----------|
| 2711P-RMCP <sup>(1)</sup> | Replacement mounting levers (black)                             | 16       |
| 2711P-RTMC <sup>(2)</sup> | Replacement mounting clips (only for stainless-steel terminals) | 8        |

(1) Catalog number 2711P-RMCP mounting levers are used with PanelView Plus 7 Performance terminals. Do not use gray mounting levers; they are not compatible with PanelView Plus 7 Performance terminals.

(2) Catalog number 2711P-RTMC mounting clips are used for stainless-steel terminals, catalog numbers 2711P-T9W22D9P-BSHK 2711P-T10C22D9P-BSHK, 2711P-T12W22D9P-BSHK, or 2711P-T15C22D9P-BSHK. **NOTE:** 2711P-T12W22D9P-BSHK requires 10 mounting clips and 2711P-T15C22D9P-BSHK requires 12 mounting clips. If you need more than eight clips, order two 2711P-RTMC mounting clip kits.

### Secure Digital (SD) Cards<sup>(1)</sup>

| Cat. No.    | Description                   | Quantity |
|-------------|-------------------------------|----------|
| 1784-SD1    | 1 GB SD card                  | 1        |
| 1784-SD2    | 2 GB SD card                  | 1        |
| 1784-SDHC8  | 8 GB High Capacity SD card    | 1        |
| 1784-SDHC32 | 32 GB High Capacity SD card   | 1        |
| 2711C-RCSO  | USB to SD adapter for SD card | 1        |

(1) To help reduce the chance of corruption when you use SD Cards or USB drives with the terminal, Rockwell Automation recommends that you use only the above SD card catalog numbers.

### Battery Replacement

| Cat. No.     | Description                                  | Quantity |
|--------------|----------------------------------------------|----------|
| 2711P-RY2032 | Lithium coin cell battery, CR2032 equivalent | 1        |