

## Technical Specifications

This section provides technical specifications for the PanelView 5510 terminals.

### Technical Specifications, PanelView 5510 Terminals – 6.5-in. 7-in., 9-in., and 10.4-in. Models

| Attribute                            | 6.5-in. Touch                                                                                                                                                                           | 6.5-in. Touch with Keypad                                                                                                                                                                                            | 7-in. Touch                               | 9-in. Touch                               | 10.4-in. Touch                                                                                                                                                                                                       | 10.4-in. Touch with Keypad                    |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
|                                      | 2715P-T7CD<br>2715P-T7CD-B <sup>(1)</sup>                                                                                                                                               | 2715P-B7CD<br>2715P-B7CD-B <sup>(1)</sup>                                                                                                                                                                            | 2715P-T7WD<br>2715P-T7WD-B <sup>(1)</sup> | 2715P-T9WD<br>2715P-T9WD-B <sup>(1)</sup> | 2715P-T10CD<br>2715P-T10CD-B <sup>(1)</sup>                                                                                                                                                                          | 2715P-B10CD<br>2715P-B10CD-B <sup>(1)</sup>   |
| Operator input                       | Touch plus menu navigation button                                                                                                                                                       | Touch with keypad plus menu navigation button                                                                                                                                                                        | Touch plus menu navigation button         |                                           |                                                                                                                                                                                                                      | Touch with keypad plus menu navigation button |
| Display type                         | Color TFT LCD (thin-film-transistor, liquid-crystal display)                                                                                                                            |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Display size, diagonal               | 6.5-in.                                                                                                                                                                                 |                                                                                                                                                                                                                      | 7-in. widescreen                          | 9-in. widescreen                          | 10.4-in.                                                                                                                                                                                                             |                                               |
| View area, W x H                     | 132 x 99 mm (5.2 x 3.9 in.)                                                                                                                                                             |                                                                                                                                                                                                                      | 152 x 91 mm (6.0 x 3.6 in.)               | 196 x 118 mm (7.7 x 4.6 in.)              | 211 x 158 mm (8.3 x 6.2 in.)                                                                                                                                                                                         |                                               |
| Display resolution/aspect ratio      | 640 x 480 VGA/4:3                                                                                                                                                                       |                                                                                                                                                                                                                      | 800 x 480 WVGA/5:3                        |                                           | 800 x 600 SVGA/4:3                                                                                                                                                                                                   |                                               |
| Color depth                          | 24-bit color graphics (16.7 million colors)                                                                                                                                             |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Brightness, typical                  | 300 cd/m <sup>2</sup> (Nits)                                                                                                                                                            |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Backlight                            | <ul style="list-style-type: none"><li>• Light-emitting diode, non-replaceable</li><li>• Life: 50,000 h min at 40 °C (104 °F) to half-brightness</li></ul>                               |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Backlight power consumption, typical | 3 W                                                                                                                                                                                     |                                                                                                                                                                                                                      |                                           | 4 W                                       |                                                                                                                                                                                                                      |                                               |
| Touch screen                         | <ul style="list-style-type: none"><li>• Analog resistive</li><li>• Actuation rating: 1 million presses</li><li>• Operating force: &lt;100 grams</li></ul>                               |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Keypad                               | —                                                                                                                                                                                       | <ul style="list-style-type: none"><li>• 12 function keys: L1...L6, R1...R6</li><li>• Numeric keypad and navigation keys</li><li>• Actuating rating: 1 million presses</li><li>• Operating force: 300 grams</li></ul> | —                                         |                                           | <ul style="list-style-type: none"><li>• 16 function keys: L1...L8, R1...R8</li><li>• Numeric keypad and navigation keys</li><li>• Actuating rating: 1 million presses</li><li>• Operating force: 300 grams</li></ul> |                                               |
| Battery (real-time clock backup)     | <ul style="list-style-type: none"><li>• Accuracy: +/-2 minutes per month</li><li>• Battery life: 4 years min at 25 °C (77 °F)</li><li>• Replacement: CR2032 lithium coin cell</li></ul> |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Memory                               |                                                                                                                                                                                         |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| RAM                                  | 1 GB RAM                                                                                                                                                                                |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Use available                        | 1 GB nonvolatile storage for projects                                                                                                                                                   |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Secure Digital (SD) card slot        | One SD card slot for external storage; supports cat. no. 1784-SDx cards. See <a href="#">Secure Digital (SD) Cards</a> on page 8.                                                       |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| USB ports                            |                                                                                                                                                                                         |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Host                                 | Two USB 2.0 high-speed (type A) host ports to support removable USB drives for external storage.                                                                                        |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Device                               | One USB 2.0 high-speed (type B) device port to connect to a host computer that is software-feature dependent.                                                                           |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Ethernet port                        | Two 10/100Base-T, Auto MDI/MDI-X Ethernet ports that support (Device Level Ring) DLR, linear, or star network topologies.                                                               |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Status indicators                    | STS (status, green), ERR (error, red)                                                                                                                                                   |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Software                             | Studio 5000 environment provides single portal to View Designer and Logix Designer applications.                                                                                        |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Electrical                           |                                                                                                                                                                                         |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| USB host ports (type A)              | 0.5 A at 5V DC                                                                                                                                                                          |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Input voltage                        | 24V DC nom (18...30V DC)                                                                                                                                                                |                                                                                                                                                                                                                      |                                           |                                           |                                                                                                                                                                                                                      |                                               |
| Power consumption, max               | 22 W                                                                                                                                                                                    |                                                                                                                                                                                                                      |                                           | 24 W                                      | 25 W                                                                                                                                                                                                                 |                                               |
| Power consumption, typical           | 12 W                                                                                                                                                                                    |                                                                                                                                                                                                                      | 17 W                                      | 14 W                                      | 15 W                                                                                                                                                                                                                 |                                               |
| Power dissipation                    | 41 BTU/hr.                                                                                                                                                                              |                                                                                                                                                                                                                      |                                           | 48 BTU/hr.                                | 51 BTU/hr.                                                                                                                                                                                                           |                                               |