

This guide provides specifications for Unitronics' controller V560-T25B, which comprises a built-in operating panel containing a 5.7" color touchscreen and an alpha-numeric keypad with function keys. You can find additional documentation on the Unitronics' Setup CD and in the Technical Library at [www.unitronics.com](http://www.unitronics.com).

### Technical Specifications

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#### **Power Supply**

Input voltage	12 or 24VDC
Permissible range	10.2-28.8VDC
Max. current consumption	540mA@12V 270mA@24V

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#### **Battery**

Back-up	7 years typical at 25°C, battery back-up for RTC and system data, including variable data.
Replaceable	Yes, without opening the controller.

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#### **Graphic Display Screen**

	See Note 1
LCD Type	TFT
Illumination backlight	White LED
Display resolution, pixels	320x240 (QVGA)
Viewing area	5.7"
Colors	65,536 (16-bit)
Touchscreen	Resistive, analog
'Touch' indication	Via buzzer
Screen brightness	Via software (Store value to SI 9).
Keypad	Displays virtual keyboard when the application requires data entry.

#### **Notes:**

1. Note that the LCD screen may have a single pixel that is permanently either black or white.
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#### **Keypad**

Number of keys	24 programmable function keys
Key type	Metal dome, sealed membrane switch
Slides	Slides may be installed in the operating panel faceplate to custom-label the keys. One blank set of slides is supplied with the controller.



Optional port User may install a single Ethernet port, or an RS232/RS485 port. Available by separate order.

**Notes:**

3. The standard for each port is set to either RS232/RS485 according to DIP switch settings. Refer to the Installation Guide.
4. Supports both 12 and 24VDC CANbus power supply, (±4%), 40mA maximum per unit. Note that if 12 VDC is used, the maximum cable length is 150 meters.

**I/Os**

Number of I/Os and types vary according to module. Supports up to 1024 digital, high-speed, and analog I/Os.

Snap-in I/O modules Plugs into rear port to create self-contained PLC with up to 62 I/Os.

Expansion modules Local adapter (P.N. EX-A1), via I/O Expansion Port. Integrate up to 8 I/O Expansion Modules comprising up to 128 additional I/Os.

Remote adapter (P.N. EX-RC1), via CANbus port. Connect up to 60 adapters; connect up to 8 I/O expansion modules to each adapter.

Exp. port isolation Galvanic

**Dimensions**

Size 228.4X146.5X70.5mm (8.99"X5.76"X2.77"). See Note 5

Weight 750 gm (26.4 oz)

**Notes:**

5. For exact dimensions, refer to the product's Installation Guide.

**Mounting**

Panel-mounting Via brackets

**Environment**

Inside cabinet IP20 / NEMA1 (case)

Panel mounted IP65 / NEMA4X (front panel)

Operational temperature 0 to 50°C (32 to 122°F)

Storage temperature -20 to 60°C (-4 to 140°F)

Relative Humidity (RH) 5% to 95% (non-condensing)

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