

# OTCP

## Rugged, Industrial Panel-mount Terminal



### Rugged, Panel-mount Solutions

A family of panel-mount terminals with all new architecture is designed for industrial OEM complex applications requiring reliable, and easy-to-use operator interface. Compatible with our OTCP low-cost handheld terminals, they are the perfect complement to applications requiring both handheld and panel-mount operator interface solutions. The basic OTCP features a 4x20 STN LCD and a sealed membrane keypad communicating with a host via a standard serial port. Many customization options are available.

### Rugged Features Include:

**New H8/300H Hitachi CPU with 32-bit architecture**

**25 or 30-key sealed membrane keypad with tactile and audible response**

**Metal case and panel with a sealing gasket to ensure protection to NEMA 4/12 when properly mounted**

**Variety of serial communication interfaces, input voltages, and display options**

**Built-in power surge protection**

**Special new, rugged polydome switch architecture**

### Options:

- 4x20, 8x26 and 4x40 STN LCD, with optional backlighting and extended optional temperature range
- Up to 10 optional indicator LEDs, including control for ON, OFF, and BLINK
- Custom keypads and sizes

### Mounting Instructions

The CP2500, CP2501 and CP2502 are shipped with two mounting clips, screws and split washers for easy panel installation.

### Factory Set Options

- EL / LED / FO Backlight Display / Keypad
- Fiber Optic Backlighting available for custom unit
- Interface Cable Configuration
- Custom Logo Graphics
- Custom Keypad Graphics
- Custom Serial Number Label
- Wide Range Power
- Extended Temperature Operation



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Standard & Optional Features	Specifications
<p><b>Display</b></p> <p>4x20 STN LCD <input checked="" type="checkbox"/></p> <p>4x40 STN LCD <input type="checkbox"/></p> <p>LED Backlight <input type="checkbox"/></p> <p>Indicator LEDs <input type="checkbox"/></p> <p><b>Keypad</b></p> <p>30-key Membrane <input checked="" type="checkbox"/></p> <p>25-key Membrane <input type="checkbox"/></p> <p><b>Interface</b></p> <p>RS 232 <input checked="" type="checkbox"/></p> <p>RS 422 <input type="checkbox"/></p> <p><b>Power</b></p> <p>+5 Vdc± 5% <input checked="" type="checkbox"/></p> <p>+8 to +28 Vdc <input type="checkbox"/></p> <p><b>Cable Connector</b></p> <p>Case Mounted DE-9P <input checked="" type="checkbox"/></p> <p><b>Other Options</b></p> <p>VFD 4x20 Display <input type="checkbox"/></p> <hr/> <p><input checked="" type="checkbox"/> Basic Unit</p> <p><input type="checkbox"/> Optional*</p> <p>*Termiflex provides full customization service for OEM customers.</p> <p>Specifications are subject to change without notice.</p>	<p><b>CPU</b> New Hitachi H8/300H CPU with 32-bit internal architecture 16-bit general registers Optimized instruction set designed for speed On-chip flash memory can be added for user programming</p> <p><b>Display</b> (4x20 STN LCD technology, dot matrix alphanumeric, 5x7 pixel characters, blue, on a light gray background)</p> <p>Optional Size 4x40 STN LCD Character Size 0.187"H x 0.116"W (4.8mm x 3.0mm) User-Defined Characters 3 Visual Indicators Flashing characters Backlight Yellow LED, optional</p> <p><b>Keypad</b> (Sealed membrane) Number of keys 25 or 30 membrane Programmable Keys 4, up to 16 characters each Key Legends Catalog or Custom Response Tactile, Audible, Visual (local echo) Repeat Rate None, Slow, Fast, Make-Break</p> <p><b>Interface</b> (RS 232 or RS 422) Baud Rate 150 to 19200 Parity Even, Odd, Space, Mark, None Word Format 7 or 8 data bits, 1 or 2 stop bits Connector Unit-mounted DE9-S connector</p> <p><b>Mechanical</b> Dimensions (Metal case, black bezel) CP2500 6.71"x4.625"x1.05" (170.4mmx117.5mmx 26.7mm) CP2501 3.44"x7.56"x1.01" (87.4mm x 192mm x 26.7mm) CP2502 3.78"x7.56"x1.05" (96.0mm x 192mm x 26.7mm)</p> <p><b>Environmental</b> Operating Temperature 32°F to 122°F (0°C to 50°C) Extended Range Option -4°F to 158°F (-20°C to 70°C) Storage Temperature -4°F to 158°F (-30°C to 80°C) Humidity 95% noncondensing NEMA Compliance 4/12 when properly mounted</p> <p><b>Agency Compliance</b> EN55022 CENELEC (CISPR 22) FCC Class A, Part 15 ROHS Compliant</p>

