

## 8.4-inch NEC Enclosed Unit

A metal enclosure houses an SLCD board, industrial 12-24 DC input power supply, backlight drive, and panel. Two-part screw-type Phoenix connectors are used for power and communications. The units support both RS232 and RS485 / RS422 interfaces. The enclosure can be easily mounted in a panel, using a rectangular cutout and drilled mounting holes. A compression gasket provides an effective waterproof seal for NEMA 4 requirements (indoor/outdoor applications protected from windblown dust, rain, or hose-directed water).

The 8.4-inch NEC unit features:

- Wide viewing angle TFT panel.
- Designed especially for medical and industrial equipment.
- Resistive touch screen.
- SD memory card slot for added flexibility.
- Incorporates NEC industrial panel designed for applications that demand long availability.
- Powered by the SLCD5 controller.
- High-brightness panel option available.

### Get Started with a Development Kit

To get started with an 8.4" enclosed unit order product number 50-0103-01 which includes connectors and comes with a CD that contains utility software, sample images, and sample code. Order the optional Enclosed Unit Accessory Kit product number 42-0082-01 for a DB9 data cable and power supply.

Visit our, "How can I get stated?" webpage, call 510-770-1417, or email [sales@reachtech.com](mailto:sales@reachtech.com) for more information or to order.



8.4-inch NEC Enclosed Unit front view

### Product Specifications

<b>Product Part Number</b>	50-0004-02
<b>Reach Board Model</b>	SLCD5
<b>Display Manufacturer</b>	NEC
<b>Display Size and Type</b>	8.4" TFT
<b>Colors</b>	65,536
<b>Display Viewing Area (mm)</b>	128.2 (H) x 170.9 (W)
<b>Horizontal Viewing Angle (degrees)</b>	160 (typ.)
<b>Vertical Viewing Angle (degrees)</b>	80 (Top) 60 (Bottom) (typ.)
<b>Screen Resolution</b>	640x480
<b>Screen Type</b>	VGA
<b>Display Brightness (cd/m2)</b>	360* (typ.), with touch
<b>Touch Panel Type</b>	Resistive
<b>Operating Temperature</b>	-20°C to 70°C
<b>Storage Temperature</b>	-30°C to 70°C
<b>Supply Voltage</b>	12-24VDC±10%
<b>Power Requirement</b>	11W max.
<b>Interface Connector</b>	Two part Phoenix type
<b>Serial Interface</b>	RS232 / RS485
<b>Backlight Display</b>	CCFL
<b>Number of Serial Ports</b>	2
<b>USB Port</b>	No
<b>SD Card Slot</b>	Yes
<b>Microprocessor</b>	200 MHz ARM (32 bit)
<b>Flash Memory</b>	4MB/11MB (SD card)
<b>RoHS</b>	Yes

\*High brightness option available.