

ET 5800LX Intelligent Operator Interface

Industry's First Linux-Based Operator Interface: Bringing rugged software and hardware together!

- Drivers for PLCs and Motion Controllers
- Programmable
- Recipes & Alarms

With a huge 14.1" color TFT display, and multiple communication ports, the Model 5800 is ideally suited for applications that require operator input and prompting, process monitoring, and connection to other controls and process equipment.

Configure the Model 5800 with WinBuild 5000 – ESA Technology's easy-to-use HMI and Control software tool. WinBuild 5000 enables a complete program to be generated on your PC in a Windows point-and-click environment. The use of powerful pseudocodes (macros), and the ability to embed multitasking BASIC into the program give provide maximum flexibility and performance.

The Model 5800 has powerful **Networking** features that allow you to connect your HMI to your LAN and to remote host PCs, I/O, motion control modules, etc.

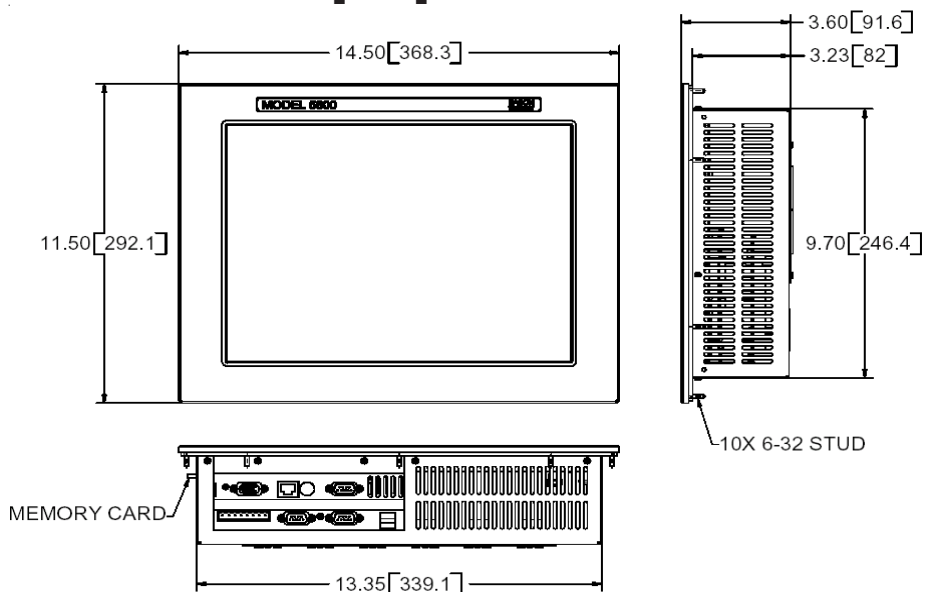
Add **6500 Family Ethernet I/O** modules to achieve a customized solution. These modules include counters, analog, and digital I/O, even a 4-axis motion controller. Also optional PC104 expansion allows embedded I/O and motion control capability for an integrated solution.

Communicate with PLCs, Motion Controllers, Bar Code Readers, Vision Systems, and other serial devices easily using the communication drivers and pseudocodes built right into WinBuild 5000.

The standard **Display** is a high contrast, high color, 14.1" diagonal color XVGA TFT LCD. (1024x768)



Dimension: inches [mm]



Operator Entry is performed via resistive touchscreen, with pop-up dialog boxes used for alpha and numeric data entry.

The Model 5800 is NEMA 4/12 rated (4X optional) when panel mounted, and is designed to withstand tough factory environments.

Standard connections include 2 serial RS232 ports and 1 RS422/485 port, 1 programming port,

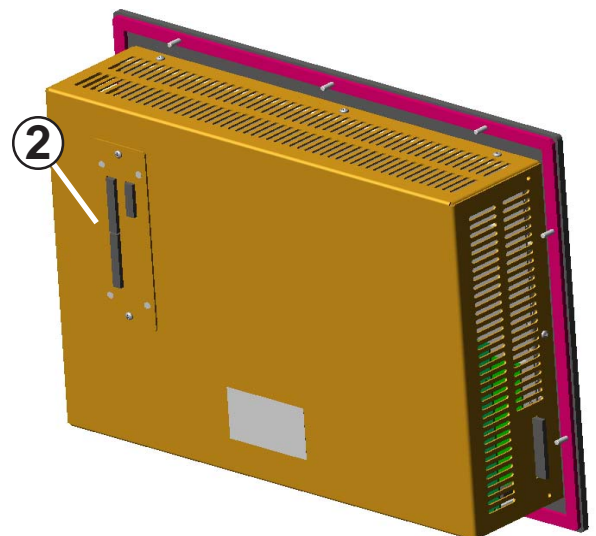
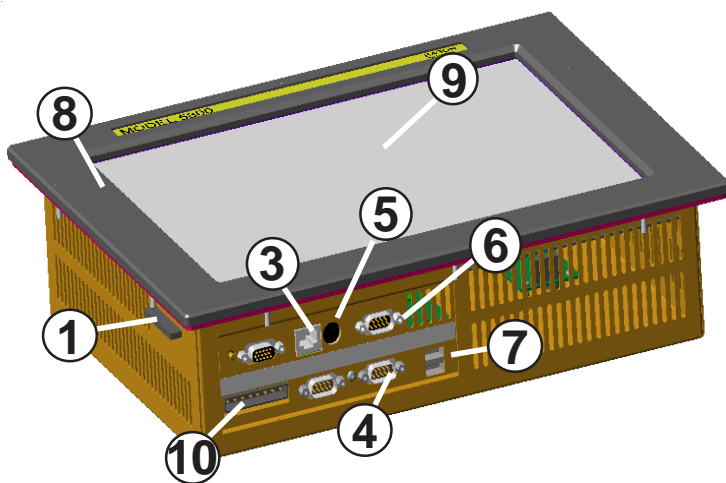
keyboard port, USB, and a 10/100 baseT Ethernet port.

At 14.5" W by 11.5"H by 3.6"D, the Model 5800 takes up minimal panel and cabinet space. Operating temperature range is 0-50C. Input power is 18-30VDC, 20W.



Specifications

CPU	Embedded 300MHz Geode GX1	5 KEYBOARD PORT	PS-2 keyboard connector
DRAM	32MB standard.	6 PROGRAMMING PORT	RS232, 9 pin D-connector (Ethernet port also available for downloads and programming)
1 REMOVABLE COMPACT FLASH	- 32MB standard - up to 1GB optional	7 USB PORT	2 ports
BB RAM	128KB - standard	8 FRONT BEZEL	Aluminum front panel bezel. Stainless steel available as an option.
2 PC104 EXPANSION (1 slot std) (3 slots opt)	- Additional Serial Ports - Motion Control - Servo - Stepper	HOUSING	Rear housing is constructed of formed, plated steel.
3 ETHERNET PORT	10/100baseT (RJ45)	9 DISPLAY COLOR	14.1" XVGA TFT (1024x768 high-color)
ETHERNET I/O MODULES (optional)	- Digital I/O - Analog I/O - Counter - Servo/Stepper Motion Controller	TOUCH SCREEN	Full analog resistive touch screen
4 SERIAL PORTS	COM1 RS232: 9 pin D-connector COM2 RS232: 9 pin D-connector COM3 RS422/485: Screw term.	10 POWER	18 - 30 VDC, 20W
		ENVIRONMENT	0 to 50 C - Operating -20 to +60 C - Storage 5% to 95% RH, non-condensing
		WEIGHT	10.5 lb (4.77kg)



ESA Technology, Inc

7975 Cameron Drive, Bldg 300, Windsor, CA 95492

Tel. 707-837-0120 Fax 707-837-2742

<http://www.esatechnology.com>, e-mail: info@esatechnology.com