



Touchscreen Controllers - LM8000 Series Tools

1.0 Tools Ordering Numbers For The LM8000 Series Devices

This section provides specific tools ordering information for the devices in this datasheet, with a summary of the tools available at print time. Up-to-date information, updates, and purchase information can be obtained at our web site at:

www.national.com/appinfo/mcu/touchscreen.html. Unless otherwise noted, tools can be purchased for worldwide delivery from National's e-store: <http://www.national.com/store/>

Tool	Order Number	Cost *	Notes/Includes
Reference Designs			
Hardware Reference Designs	LM8300-REF-01	L	For LM8300 - 3/5v @ 3.27MHz with 2.7v-2.9v Brownout Detect – Demo Board and Software; 4-wire, resistive touchscreen panel; Stylus; RS232 cable; 9v battery. Run the touchscreen drivers on the PC, and use Stylus as mouse.
	LM8500-REF-01	L	For LM8500 - 5v @ 3.27MHz or 10MHz, with 4.17v-4.5v Brownout Detect – Demo Board and Software; 4-wire, resistive touchscreen panel; Stylus; RS232 cable; 9v battery. Run the touchscreen drivers on the PC, and use Stylus as mouse.
Touchscreen Drivers			
National's Himalay Touchscreen Driver	Na	Free ware	The NSC Himalaya driver is a freeware evaluation driver developed for the LM8300/8400/8500 by National. The driver does not support all the functionalities of the device but, unlike the UPDD driver, does not have the 100 touch limitation.
Touch-Base UPDD Touchscreen Driver	www.touch-base.com	Eval	The UPDD driver is a demoware evaluation driver developed for the LM8300/8400/8500 by Touchbase. The evaluation driver supports all functionalities of the device with a 100 touch per calibration limitation. After 100 touches, another calibration must be performed.
4-Wire Resistive Touch Panels - We expect that National's LM8000 touchscreen controllers are compatible with all standard 4 wire touchpanels, but the touchpanels below have been tested and verified in our labs			
Magic Touch 15" and 17" panels	Keytec Inc		
Microtouch PL75 and FG - 14.1", 15" and 15.1"	3M Touchsystems		
3", 4" 5", 6" panels	Panasonic		
14.1" panel.	LG Philips		
*Cost: Free; VL=<\$100; L=\$100-\$300; M=\$300-\$1k; H=\$1k-\$3k; VH=\$3k-\$5k			

2.0 Where To Get Tools

Tools can be ordered directly from National, National's e-store (Worldwide delivery: <http://www.national.com/store/>), a National Distributor, or from the tool vendor. Go to the vendor's web site for current listings of distributors.

Vendor	Home Office	Electronic Sites	Other Main Offices
National Semiconductor	2900 Semiconductor Dr. Santa Clara, CA 95051 USA 1-800-272-9959 fax: 1-800-737-7018	www.national.com/cop8 support@nsc.com europe.support@nsc.com	Europe: 49(0)180 530 8585 fax: 49(0)180 530 8586 Hongkong: Distributors Worldwide
TOUCH-BASE LTD	9 CHURCH ROAD PARKSTONE, POOLE DORSET BH14 8UF. U.K. Tel: +44 (0) 1202 733767 Fax: +44 (0) 1202 735512	www.touch-base.com Sales@touch-base.com Technical@touch-base.com	