



Mini-ITX Case

FITS ALL STANDARD MINI-ITX SINGLE BOARD COMPUTERS.

The M5000 is a ruggedized case with an 8.4 inch NEC LCD, 20pin LVDS interface, with inverter power and 4-wire touch screen & serial controller and external 12V, 5Amp desktop power supply. The LCD housing has membrane touch switches and potentiometers with or without an overlay. The MC5000 includes the M5000 and a Pelican 1510 carrying case internally customized for the M5000.

\$495.00

M5000 System Includes:
All Cables
LCD (NL10276BC16-01)
Ext. PS & Adapters
Documents



\$595.00

MC5000 System Includes:
M5000 and
Pelican Carrying Case

Call for details and quantity discounts!

Contact

Silicon Turnkey Express
749 Miner Rd.
Highland Hts., OH 44143

info@silicontkx.com
www.silicontkx.com
PH: 440 461 4700 182
FX: 440 481 4419



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Details

LCD: NEC NL10276BC16-01 is color TFT LCD, high resolution 1024 x 768, XGA, 8.4 inches with a viewing area of 170.5 x 127.9 mm, display color of either 6 or 8 bit RGB, with a contrast ratio of 400:1, luminance of 400 cd/m², and a response time of 25ms. Backlight is edge type with 4 CCFLs that require inverter 84PW021. The LCD requires 9.8Watts at 3.3 volt signals. The video data is standard LVDS. The LCD comes with a 25 inch cable with JAE FI-SE20P-HFE connector for the LCD and a Hirose DF13-20DS-125C connector for an SBC.

Inverter: for the NL10276BC16-01 backlight power is provided by a NEC 84PW021. The 84PW021 requires 12VDC at 900 mA. It is 50 x 120 mms and is mounted on the rear of the LCD with double sided tape. The inverter has two connectors for the LCD CCFL cables (integrated in the LCD). A 25 inch power cable for the inverter is included and has a Molex 51021-1100 plug to connect to the inverter and a Molex 51021-0900 plug for the SBC.

Touch Screen: is a standard 4 wire resistive overlay on the LCD such as Fujitsu 554 or similar.

Touch Screen Controller: is on the IO module in the head unit. It uses a TI ADS7843E accessed through a standard SPI port.

Membrane Switches: is on the IO module in the head unit. These switches are controlled by a Freescale MC68HC908GP32 accessed through a UART.

Power Supply: A GlobTek GT-21126-6012, input 100 to 240VAC, ~1.6Amp, 50-60Hz with an output of 12VDC at 5Amp. This unit has many international certifications and comes with international plugs. Device end is not terminated to allow user connections.

Case: is heavy gauge metal cover and bottom chassis. A standard mini-ITX can be mounted to the chassis. Both the front and rear of the case is open for complete access to IO and connectors.

Head Housing: The LCD, LCD housing with membrane buttons and all electronic modules are mounted on a folding structure that also accepts the case.

Carrying Case (Pelican 1510): Only in the MC5000, the Pelican 1510 carrying case is the toughest and biggest FAA approved airline-legal carry-on case available. Complete with side handle, front handle and convenient extension handle, it is the perfect rolling travel companion. The interior uses molded foam to accept the M5000 case and LCD head. Convenient adjustable slots on either side allow storage for power supply and other peripherals.

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