

PanelVisa

The **rugged**, slim and stylish Industrial Touch Computer.



GW121-TFT

12.1" SVGA TFT Industrial Touch Computer

The GW series are rugged and powerful all-in-one LCD touch computers available on the market. The slim and compact design takes up a lot less space than CRT's. Therefore, they are easy to build protective cabinetry around, and are immune to electrostatic and electromagnetic fields. The Eden7000 (733MHz) processor provides high performance, the IP65F metal front panel ideally suits for harsh environments, the touch screen is unaffected by most surface contaminants found in factories, automation environments, utilities and mining applications.

FEATURES

- Suitable for both industrial and commercial field applications, such as building automation / as a PLC controller / as a medical instruments
- Plastic extruding chassis with the accessible HDD.
- Power/COM/LAN status indicators on the front
- Easy to connect with I/O interface on the rear side
- Highest system performance with 1 MB battery backup SRAM memory
- Stable 8-wires resistor touch screen sensor and controller
- Reliable system design utilizing top-grade solid-state capacitor on the CPU board
- Integrated high brightness and contrast ratio TFT LCD display
- More rugged & cost efficient



CERMATE Technologies Inc.

WWW.CERMATE.COM

A Professional Touch Panel Manufacturer

HMI TOUCH PANEL

WIN CE TOUCH COMPUTER

LCD TOUCH MONITOR

The richest variety of functionality, the most cost effective multimedia-ready board.

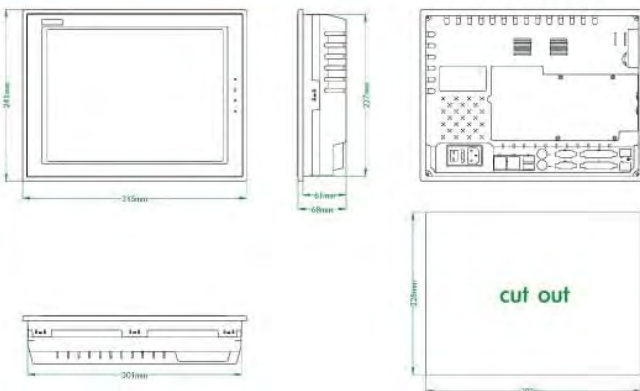
INTRODUCTION

GW121 Touch Panel Computer includes versatile features of a powerful computer packed into a strong and stylish housing. It is also a perfect operator interface for applications having space restraints. It provides multiple applications, such as state-of-the-art information terminal, computing platform for POI, building automation information center or as a PLC controller. Meanwhile, the compact and slim design makes it flexible in installation.

SPECIFICATIONS

- Processor_** VIA Eden7000 (733MHz)
- System Memory / RAM_** One SODIMM socket up to 512 MB
- Chipset_** VIA VT8606T + VT82C686B
- Display Type_** VIA VT8606T + VT82C686B
- VGA Connector_** One DB-15 VGA connector
- Ethernet Connectors_** 1st: One RJ-45 connector, supports 10/100 Base-T interface, wake on LAN; The 2nd LAN port is optional.
- PC-104+ Interface_** Built-in PC-104-plus interface
- HDD_** One 2x22, 2.0mm IDE HDD connector
- Compact Flash_** Built-in one type I and II Compact Flash slot
- SRAM_** Built-in 512KB SRAM. A super capacitor and external battery support for SRAM
- Touch Sensor_** Built-in 3M touch sensor controller (8-wires resistor type)
- Serial Port_** Four COM ports with ESD protect
COM1 RS-232 D-sub 9pin male connector (full function RS232)
COM2 RS-232 2x5, 2.54mm pin header; pin 10 as +5V
COM3 RS-232/422/485(auto-sensing), D-sub 25pin male connector,
COM4 RS-232 2x6, 2.54mm pin header and 3M touch sensor controller selected by DIP Switches
- Parallel Port_** One multi-mode parallel port (SPP/EPP/ECP) DB-25 connector
- Keyboard/Mouse Connector_** Two 6-pin mini-DIM PS2, one for keyboard and one for mouse; Keyboard/mouse can also be combined into only a PS2 connector used by Y-cable
- Universal Serial Bus_** Supports two A-type USB port connectors and two internal 2x4, 2.54mm pin header USB port
- Audio_** Supports stereo speaker out 3W per channel and optional MIC external
- Power Supply_** Power supply by AT or ATX connector
- Other Function_** Support USB device boot up (FDD, HDD, CD-ROM)
- LED x4_** 1st for power ; 2nd for com1/com3 ; 3rd for LAN link ; 4th LAN active
- Touch screen_** 8-wire analog resistance
- Resolution_** 12 bits
- Light transmission_** above 80%
- Touch screen Life_** 1 million activation minimal

- ① Power switch
- ② Power input_ 100-240VAC, power consumption 100W maximum
- ③ Ethernet port 2nd (RJ-45) (10/100 Base-T)
- ④ Ethernet port 1st (RJ-45) (10/100 Base-T)
- ⑤ USB host 1.1 x 2
- ⑥ 1x PS/2 port for mouse
- ⑦ 1x PS/2 port for keyboard
- ⑧ VGA output interface
- ⑨ COM1 (RS-232) DB9 male connector
- ⑩ COM3 (RS-232/422/485) DB25 male connector
- ⑪ LPT printer port
- ⑫ 1 MIC in
- ⑬ 1 Speaker out
- ⑭ Software reset button
- ⑮ HDD
- ⑯ PC104+ extension bus for special application (options)
- ⑰ CompactFlash™ slot
- ⑱ Battery



OUTLET DIMENSIONS

GW121-TFT: 315.0mm [12.40"] W x 241.0mm [9.49"] H x 68.0mm [2.68"]

CUTOUT DIMENSIONS

GW121-TFT: 302mm [11.89"] x 228mm [8.97"]

NET WEIGHT

GW121-TFT: 3.3kg

ENVIRONMENTAL

- Front Panel_** Meets NEMA4 / IP65
- Shock (Operation)_** 10 to 25Hz (X, Y, Z direction 1G, 30minutes)
- Operating Temperature_** 0°-50°C
- Relative Humidity_** 10% ~ 90%RH, 50°C, non-condensing
- EMI_** Complies with FCC Class A
- EMC_** Complies with EN50081-2 and EN50082-2 standards
- Front Panel_** Meets NEMA4 / IP65

CERTIFICATIONS

CE and FCC approved

LCD SPECIFICATIONS

- Display type_** TFT color LCD
- Display size_** 12.1" (diagonal)
- Max colors_** 65535 colors
- Resolution_** 12.1"/800 x 600 or 1024 x 768
- Viewing angle_** 40/30/50/50 (T/B/R/L)
- Luminance_** 12.1"/200 cd/m²
- Storage temperature_** -20-60°C
- Operating temperature_** 0-50°C
- Backlight_** 12.1"/ CCFL x 2
- Contrast ratio_** 150:1
- Interface_** TFT LVDS or TTL interface

All the specifications and photos are subjected to be change without notice.

Industrial Touch Computer



Taiwan: Cermate Technologies Inc.
China: Shenzhen Cermate Technologies Inc.

ORDERING INFORMATION:

- ① Model GW series
- ② LCD Dimension ; 121=12.1 inches
- ③ LCD Specification TF = TFT
- ④ T4=4 Wire Touch Panel ; T8=8 Wire Touch Panel
- ⑤ LCD Brand ; U= AU ; L= LG ; M=Mitsubishi
- ⑥ Front Frame Color ; B0= Black ; C0= White ; D0= Dark Silver ; E0= Light Silver
- ⑦ Customer's Logo ; 00 or None= Cermate logo