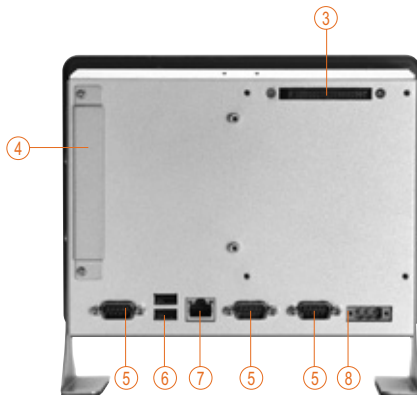


# GOT-1640T

## 6.4" VGA TFT Compact Size Fanless Touch Panel Computer



1. PCMCIA slot
2. CF card slot
3. IDE connector
4. PC/104
5. COM
6. USB 1.1
7. Ethernet (RJ-45)
8. Power connector



### Features

- ▶ Fanless cooling system and low power consumption CPU-VIA Eden 1GHz
- ▶ Small cut-out dimension: 200 x150mm
- ▶ Embedded O.S supported: Windows® CE.NET; Windows® XP embedded
- ▶ PC/104 and PCMCIA slot supported
- ▶ NEMA 4 / IP65 compliant front panel
- ▶ Over-voltage power protection-Fuse
- ▶ 2.5" HDD or CompactFlash™ card supported
- ▶ Panel/Desktop/VESA/Wall mount supported

### Introduction

The GOT-1640T is a fanless and compact-size touch panel computer, and is equipped with a 6.4" TFT LCD display and a low power consumption CPU, the VIA Eden 1GHz. The GOT-1640T supports Windows® 2000/XP, Windows® CE.NET, Windows® XP Embedded, and Linux. The panel also includes a PC/104 slot for extended communication or a DA&C card, and a PCMCIA slot for Wireless LAN card. The GOT-1640T is the cost-effective choice for operator interface applications.

#### Reliable and Stable Design

The GOT-1640T adopts a fanless cooling system and a CompactFlash™ card, which makes it especially suitable for vibration-heavy environments, best for the transportation, ship, and industrial machinery markets.

#### Flexibility: a PC/104 Slot

The GOT-1640T offers a PC/104 slot that allows for extended communication or a DA&C card, or even for a PC/104 motion card, which can be used for different application requirements. With Windows® CE.NET and a CompactFlash™ card combination, the Panel is especially suitable for embedded applications.

#### Industrial-grade Product Design

The GOT-1640T has an incredible design that can be used in different industrial harsh environments.

- A fuse helps prevent over-voltage for power.
- Aluminum front bezel are IP65/NEMA4 certified.
- For connecting other devices, the GOT-1640T also features several interfaces: USB, Ethernet, and RS-232/422/485.

### Specifications

Front Bezel	IP65, NEMA 4 rugged protection, Alumium front bezel
LCD Panel	6.4" VGA TFT Brightness: 250nits
Resolution	640 x 480
Main Board	STX88602 + STB97401
CPU	Onboard VIA Eden processor 1GHz
Chipset	VIA VT8606 + VT82C686B
BIOS	Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
System Memory	1 x SDRAM SODIMM, Max. 512MB
Onboard Graphics	VIA Twister chip with integrates C3 Pro Savage4
Storage	CompactFlash™ or enhanced IDE interface 2.5" type
Watchdog Timer	0.5~1600 sec. with 64 levels; system reset or NMI
I/O	D-Sub 9-pin x 1 (male) for RS-232/RS-422/RS-485 D-Sub 9-pin x 2 (male) for RS-232

	RJ-45 x 1 for Ethernet USB 1.1 x 2
Expansion Slot	PC/104 x 1 PCMCIA x 1
Touchscreen	Resistive
Power Supply	DC 24V, w/fuse
Dimensions	9.25" (235mm)(W) x 3.14" (80mm)(D) x 6.49" (165mm)(H)
Weight	1.0kg (2.2 lb)
Certification	CE
Environmental	Operation temperature: 0°C ~ 50°C (32°F ~ 122°F) Relative humidity: 10%~95%, non-condensing Operation vibration: 1.3G, 5~500Hz, random for 2.5" HDD 2.0G, 5~500Hz, random for CompactFlash™ Card

## LCD

Display Type	TFT color LCD
Display Size	6.4"
Max Colors	262,144 colors
Resolution	640 x 480
Pixel Pitch	0.204 x 0.204 (H x V, mm)
Viewing Angle	(H) 120°, (V) 100°
Luminance	250 cd/m <sup>2</sup>
Storage Temperature	-20 ~ 60°C
Operating Temperature	0 ~ 50°C
Contrast Ratio	300:1
Backlight	CCFL x 2

## Ordering Information

GOT-1640T-256	6.4" VGA TFT fanless touch panel computer w/ resistive T/S, 256MB SDRAM
GOT-1641T-256	6.4" VGA TFT fanless touch panel computer w/ 2 Lan, Audio, 256MB SDRAM
Desktop stand (pre-install)	Desktop stand for GOT-1640T
Wall/VESA kit (Pre-install)	Wall/VESA kit for GOT-1640T
GOT-PC104-Kit	PC/104 kit for GOT-1640T
GOT-HDD-Kit	HDD kit for GOT-1640T
PS-DC24-50	110~230V <sub>AC</sub> to 24V <sub>DC</sub> , 2.3A, 50W power supply

## Optional OS Installation

Windows® 2000/XP  
Linux Kernel 2.4

## Optional EOS Installation

Windows® CE.NET  
Windows® XP Embedded



## Dimensions

