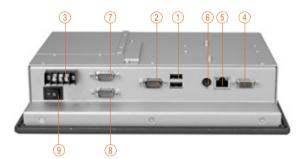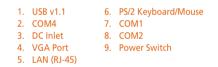# GOT-1840T

8.4" SVGA TFT Fanless Touch Panel Computer w/ Low-temp. up to -10°C

Features

RoHS
Fanless

▶ **Fanless cooling system and low power consumption VIA Eden 667MHz CPU**
▶ **Supports low temperature to -10°C**
▶ **Anti-vibration design: 1.3G (operation)**
▶ **Embedded O.S supported: Windows® CE.NET; Windows® XP embedded**
▶ **Flexibility: PC/104 slot supported**
▶ **Over-voltage power protection - fuse**
▶ **2.5" HDD or CompactFlash™ card supported**
▶ **Panel/Desktop/VESA/Wall mount supported**

Introduction

The GOT-1840T is a 8.4" fanless touch panel computer. It adopts superior design to support low temperature (to -10°C) and anti-vibration 1.3G (operation). The GOT-1840T is equipped with a low power consumption CPU, the VIA Eden 667MHz. The panel computer also supports Windows® 98/NT/2000/XP, Windows® CE.NET, Windows® XP Embedded, and Linux. It is a cost-effective choice for operator interface applications.

Low-temperature to -10°C and Anti-vibration 1.3G (operation)
With superior design, the GOT-1840T can be operated in a temperature of -10°C and work in a heavy vibration environment of up to 1.3G (with HDD). The GOT-1840T is especially suitable for vibration-heavy environments, best for the transportation, ship, and industrial machinery markets.

Flexibility: a PC/104 Slot
The GOT-1840T also offers a PC/104 slot that allows for extended communication or a DA&C card that can be used for different application requirements. With Windows® CE.NET and a CompactFlash™ card combination, this panel is especially suitable for embedded applications.

Industrial-grade Product Design
The GOT-1840T has an incredible design that can be used in different industrial harsh environments
• A fuse helps prevent over-voltage for power
• Aluminum front bezel is IP65/NEMA4 certified
• Supports various mountings: Panel/ Desktop / VESA / Wall mount

1. USB v1.1
2. COM4
3. DC Inlet
4. VGA Port
5. LAN (RJ-45)
6. PS/2 Keyboard/Mouse
7. COM1
8. COM2
9. Power Switch

Specifications

Front Bezel	IP65, NEMA 4 rugged protection, Alumium front bezel			RJ-45 x 1 for Ethernet
LCD Panel	8.4" SVGA TFT Brightness:200nits			D-Sub 15-pin x 1(female) for S-VGA output
				USB 1.1 x 2
Resolution	800 x 600		Expansion Slot	PC/104 x 1
Main Board	SBC84600		Touchscreen	Resistive type
CPU	Onboard VIA Eden processor 667MHz		Power Supply	DC 24V; 2A maximum; Poly fuse 3A @ 30V
Chipset	VIA VT8606 (Twister-T) + 82C686B		Dimensions	11.02"(280mm)(W) x 2.4"(61mm)(D) x 8.55"(225mm)(H)
BIOS	Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup			
			Weight	1.8 kg (4 lb)
System Memory	1 x SDRAM SODIMM, Max. 512MB		Certification	CE
Onboard Graphics	VIA Twister chip with integrates C3 Pro Savage4		Environmental	Operation temperature: -10°C~50°C (14°F ~ 122°F)
Storage	CompactFlash™ or enhanced IDE interface 2.5" type			Relative humidity: 10%~95% @ 40°C, non-condensing
Watchdog Timer	0.5~1600 sec. with 64 levels; system reset or NMI			Operation vibration:
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 PS/2 x 1 for keyboard and mouse			1.3G, 5~500Hz, random for 2.5"HDD 2.0G, 5~500Hz, random for CompactFlash™ Card

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

LCD

Display Type	TFT color LCD
Display Size	8.4"
Max Colors	262K
Resolution	800x600
Pixel Pitch	0.203 x 0.203 (H x V, mm)
Viewing Angle	(H) 120˚, (V) 100˚
Luminance	200 cd/m²
Storage Temperature	-20 ~ 60˚C
Operating Temperature	0 ~ 50˚C
Contrast Ratio	300:1
Backlight	CCFL x 2

Ordering Information

GOT-1840T-256	8.4" SVGA TFT fanless touch panel computer w/ resistive T/S, 256MB SDRAM
GOT-1840T-512	8.4" SVGA TFT fanless touch panel computer w/ resistive T/S, 512MB SDRAM
GOT-PC104-Kit	PC/104 kit for GOT-1840T
PS-DC24-50	110~230V_{AC} to 24V_{DC}, 2.3A, 50W power supply
F202003333	VM-205 (VESA ARM Wall-Mount)
F202003334	VM-201 (VESA ARM Clamp Type)

Optional OS Installation

Windows® 95/98
Windows® NT/2000/XP
Linux Kernel 2.4

Optional EOS Installation

Windows® CE.NET
Windows® XP Embedded

Dimensions

PANEL Cut-Out Dim.