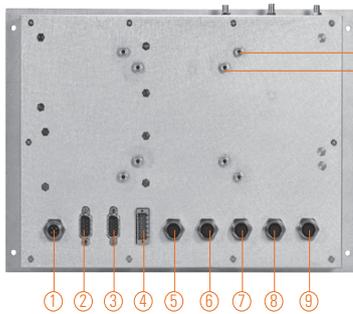


GOT710-837

10.4" SVGA EN50155 Railway Fanless Touch Panel PC with Intel® Atom™ Processor E3845 1.91 GHz (-25°C ~ +70°C)



- VESA 100
- VESA 75
- 1. DC for power input with isolation 1.5KV
- 2. CAN Bus with isolation 1.5KV
- 3. Audio (Line out, Line in, speaker-out)
- 4. DIO (6-IN/2-OUT with isolation 1.5KV)
- 5. USB 2.0 x 2
- 6. COM 2 (RS-232/422/485 with isolation 1.5KV)
- 7. COM 1 (RS-232/422/485 with isolation 1.5KV)
- 8. LAN 2 (Gigabit LAN with isolation 1.5KV)
- 9. LAN 1 (Gigabit LAN with isolation 1.5KV)

Features

- Sunlight readable 10.4" SVGA high brightness (1000 nits) LCD
- Intel® Atom™ processor E3845 1.91 GHz
- Alternative keypad control in the front bezel
- M12-type lockable connectors design
- Auto-dimming for different environment
- Wide operating temperature: -25°C ~ +70°C
- EN50155 certified for railway application



▲ Side view



Introduction

The EN50155 certified railway touch panel PC, GOT710-837, is equipped with a 10.4-inch SVGA TFT LCD display with high brightness LED backlight (1000 nits), which allows a train operator to easily read any operational status messages, even under direct sunlight. Design for ease of use and maintenance, this all-in-one 10.4" railway touch panel PC also has an alternative keypad control on the front panel for easy access and cleaning purposes. This feature-rich panel PC has an IP65-rated, M12 connectors and is EN50155 certified.

Wide Temperature Range (-25°C to +70°C)

The Intel® Atom™-based railway PC, GOT710-837, applies unique extended temperature technology with wide temperature range support as well as fanless operation. It also has a high brightness display and compact design for transport heavy-duty environment.

Designed for Railway Application

The Axiomtek GOT710-837 is particularly suitable for demanding HMI applications in the railway sector, including tasks like monitoring and controlling as speed, temperature, and security, or for fleet management. To ensure the reliable operation in a variety of different locations, the 10.4-inch railway panel PC supports various mounting options: panel mount, wall mount, VESA arm and desktop stand. Moreover, it is also ready for Windows® 8.1 or 7.

Specifications

Front Bezel	IP65, NEMA 4 rugged protection, aluminum front bezel	
LCD Panel	Display Type	10.4" SVGA TFT LCD
	Brightness (cd/m ²)	1000 nits
	Resolution	800 x 600
	Viewing Angle (H/V)	160°/160°
Main System	CPU	Intel® Atom™ processor E3845 1.91 GHz (Bay Trail)
	Chipset	SoC Integrated
	System Memory	DDR3 4 GB (default) or 8 GB memory onboard
	BIOS	AMI with Axiomtek standard features; such as SmartView, Ethernet Boot ROM (RPL & PXE), customer CMOS backup
	Storage	16 GB flash onboard 1 x mSATA
	Watchdog Timer	255 levels, 1 ~ 255 sec.
	Onboard Graphics	Integrated in Intel® GFX

Specifications

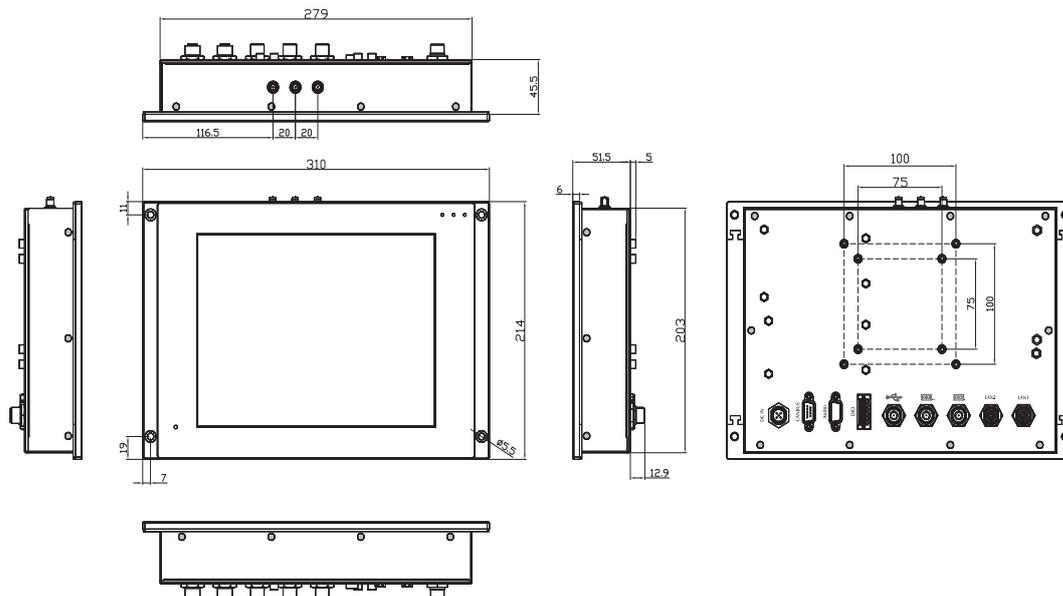
I/O Connector	2 x RS-232/422/485 with isolation 1.5KV (M12, A-coded) 2 x RJ-45 for Gigabit LAN with isolation 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolation 1.5KV (M12, A-coded) 1 x Audio: Line-out, Line-in, speaker-out (D-sub) 1 x DIO (6-IN/2-OUT) with isolation 1.5KV (phoenix type) 1 x CAN bus with isolation 1.5KV (D-sub)
Expansion Interface	2 x PCI Express Mini Card slot
Flat Panel	Alternative 5-wire resistive touch panel or keyboard
Power Supply	16.8V to 30V DC or 77V to 137.5 VDC 10ms hold up time (S2)
Dimensions	310 mm (12.20") (W) x 65.05 mm (2.56") (D) x 216 mm (8.50") (H)
Packing Dimensions	382 mm (15.04") (W) x 185 mm (7.28") (D) x 427 mm (16.81") (H)
Weight (net/gross)	2.4 kg (5.29 lb) / 5 kg (11.02 lb)
Environment	Operating temperature: -25°C ~ +70°C (-13°F ~ +158°F) Storage Temperature: -30°C ~ +80°C (-22°F ~ +176°F) Relative humidity: 10% ~ 95% @ 40°C, non-condensing
Certificate	EN50155, EN50121-3-2 EMC, EN61373 (Shock/Vibration), EN45545 (fire) certified Compliance with IUC612-01 (keypad)

* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Optional Accessories

822B7100060E	GOT710 3G+GPS Kit
822B7100050E	GOT710 Wi-Fi Kit
594B8122820E	M12 A-coded USB cable
594B7102100E	RS-232 cable
594B7102700E	M12 X-coded LAN cable

Dimensions



Ordering Information

24VDC Power Input (14.4V to 40VDC)	
GOT710-837-R-E3845-24VDC	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen and 24VDC power input
GOT710-837-R-E3845-24VDC w/keypad	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen, 24VDC power input and keypad
110VDC Power Input (66V to 154VDC)	
GOT710-837-G-E3845-110VDC	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), non-touch screen, 24VDC power input and keypad
GOT710-837-R-E3845-110VDC	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen and 110VDC power input
GOT710-837-R-E3845-110VDC w/keypad	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen, 110VDC power input and keypad
GOT710-837-G-E3845-110VDC w/keypad	10" SVGA fanless EN50155 railway touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (1000 nits), non-touch screen, 110VDC power input and keypad

* Specification and certifications are based on options and may vary.

Optional EOS Installation

WES 7
WE8S

Optional OS Installation

Windows® 7
Windows® 8/8.1



▲ Touch without keypad version

Overview

Fanless Touch Panel Computers

2

Heavy-duty Fanless Touch Panel Computers

Industrial Touch Panel Computers

Industrial Touch panel Monitors

Infotainment Touch Panel Computers

Healthcare & Medical Solutions

Open Frame Panel Computers

Accessories



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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