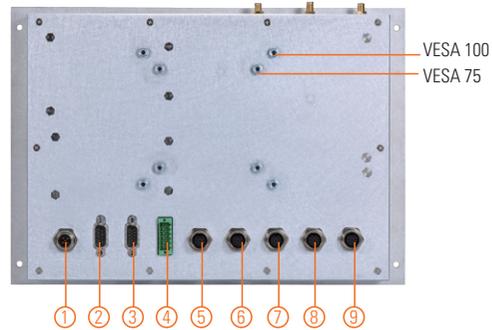# GOT710-837

10.4" SVGA TFT EN 50155 Railway Fanless Touch Panel PC with Intel® Atom® Processor E3845 1.91 GHz (-25°C to +70°C)

Features

- Sunlight readable 10.4" SVGA LCD with 1000 nits of brightness
- Intel® Atom® processor E3845 1.91 GHz
- Alternative keypad control in the front bezel
- M12-type lockable connectors design
- Auto-dimming for different environments
- -25°C to +70°C wide temperature range (T3 Level)
- EN 50155 certified for railway application

▲ Side view

VESA 100
VESA 75

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

1. DC power input with isolation 1.5KV
2. CANbus with isolation 1.5KV
3. Audio (Line-out, Line-in, Speaker-out)
4. DIO (6-in/2-out with isolation 1.5KV)
5. 2 x USB 2.0

6. 1 x RS-232/422/485 with isolation 1.5KV
7. 1 x RS-232/422/485 with isolation 1.5KV
8. 1 x LAN with isolation 1.5KV
9. 1 x LAN with isolation 1.5KV

EN50155 | M12 Connector | Fanless | Low Power | Ext. Temp | DDR3

Introduction

The EN 50155 certified, GOT710-837 is equipped with a 10.4-inch SGVA 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 EN 50155 certified.

Wide Temperature Range (-25°C to +70°C)
The Intel® Atom®-based railway panel 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/m²)	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 4GB (default) or 8GB memory onboard
	BIOS	AMI with Axiomtek standard features; such as SmartView, Ethernet Boot ROM (RPL & PXE), customer CMOS backup
	Storage	16GB flash onboard 1 x mSATA
	Watchdog Timer	255 levels, 1 to 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 with isolation 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC power input with isolation 1.5KV (M12, A-coded) 1 x Audio (Line-out & Mic-in), Speaker (D-sub) 1 x DIO (6-in/2-out) with isolation 1.5KV (phoenix type) 1 x CANbus 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 30 VDC or 77V to 137.5 VDC 10ms hold up time (S2)
Power Consumption	36W
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)
Operating Temperature	-25°C to +70°C (-13°F to +158°F)
Relative Humidity	10% to 95% @ +40°C, non-condensing
Certifications	EN 50155, EN 50121-3-2 EMC, EN 61373 (shock/vibration) , EN 45545 (fire) certified Compliance with UIC 612-01 (keypad)

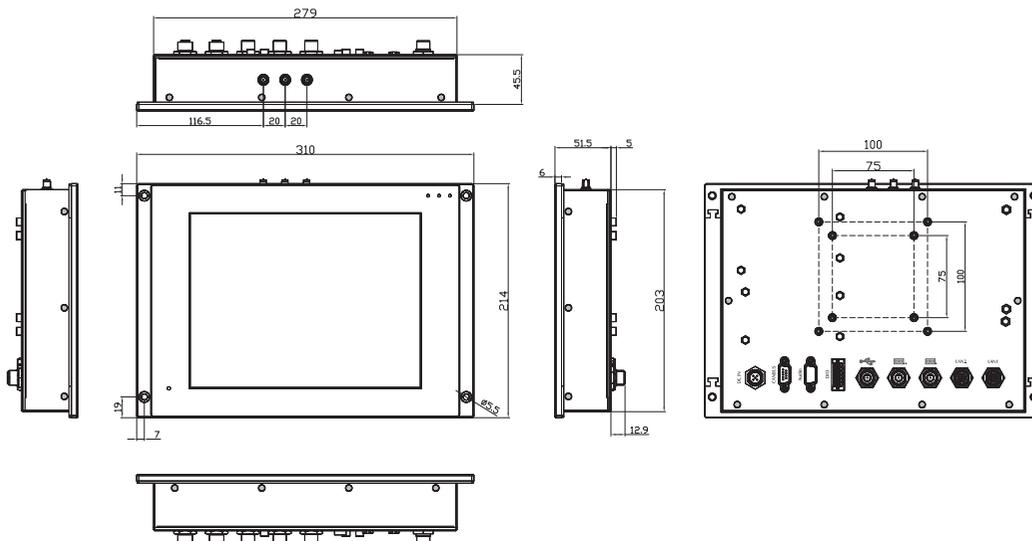* W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Packing List

1 x GOT710-837 unit
1 x Driver CD
1 x Power cable
1 x Phoenix connector

▲ Touch without keypad version

Ordering Information

24 VDC Power Input (14.4V to 40 VDC)

GOT710-837-R-E3845-24 VDC	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen and 24 VDC power input
GOT710-837-R-E3845-24 VDC with keypad	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen, 24 VDC power input and keypad
GOT710-837-G-E3845-24 VDC with keypad	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), non-touch screen, 24 VDC power input and keypad

110 VDC Power Input (66V to 154 VDC)

GOT710-837-R-E3845-110 VDC	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen and 110 VDC power input
GOT710-837-R-E3845-110 VDC with keypad	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touch screen, 110 VDC power input and keypad
GOT710-837-G-E3845-110 VDC with keypad	10.4" SVGA EN 50155 railway fanless touch panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), non-touch screen, 110 VDC power input and keypad

*Specifications and certifications may vary based on different requirements.

Optional Accessories

822B7100140E	GOT710 3G+GPS kit
8812B7100A0E	GOT710 Wi-Fi Kit
594B8122820E	M12 A-coded USB cable
594B7102100E	RS-232 cable
594B7102700E	M12 X-coded LAN cable

Optional EOS Installation

WES 7
WE8S
Windows® 10 (IoT)

Optional OS Installation

Windows® 7
Windows® 8/8.1
Windows® 10

Dimensions