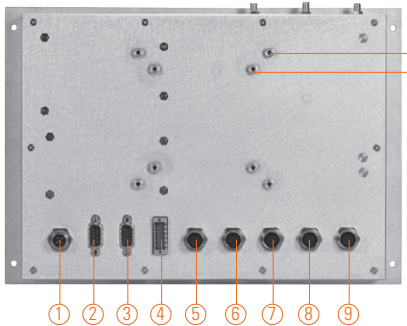


# GOT712-837

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

## Features

- Sunlight readable 12.1" XGA high brightness (800 nits)
- Fanless with Intel® Atom™ processor E3845 1.91 GHz
- Alternative keypad control in front bezel
- All lockable connectors design
- Auto-dimming for different environment
- Wide operating temperature: -25°C ~ +70°C
- EN50155 certified for railway application

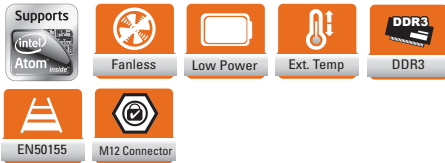


VESA 100  
VESA 75

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)



▲ Side view



## Introduction

The EN50155 railway touch panel PC, GOT712-837, is equipped with a 12.1-inch XGA TFT LCD display with high brightness LED backlight (800 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 12.1" 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 front bezel, M12 connectors and is EN50155 certified.

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

The Intel® Atom™-based railway PC, GOT712-837, 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 GOT712-837 is particularly suitable for demanding HMI applications in the railway sector, including tasks like monitoring and controlling speed, temperature, and security, or for fleet management. To ensure the panel reliable operation in a variety of different locations, the 12.1-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	12.1" XGA TFT LCD	
	Brightness (cd/m <sup>2</sup> )	800 nits	
	Resolution	1024 x 768	
	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	

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Астана +7(7172)727-132  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Казань (843)206-01-48

Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

## 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 input/2 output) 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 137.5V DC 10ms hold up time (S2)
Dimensions	330 mm (13") (W) x 64.4 mm (2.53") (D) x 245 mm (9.65") (H)
Packing Dimensions	TBD
Weight (net/gross)	TBD
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 UIC612-01 (keypad)

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

## Optional Accessories

822B7100060E	GOT712 3G+GPS Kit
822B7100050E	GOT712 Wi-Fi Kit
594B8122820E	M12 A-coded USB cable
594B7102100E	RS-232 cable
594B7102700E	M12 X-coded LAN cable

## Ordering Information

### 24VDC Power Input (14.4V to 40VDC)

GOT712-837-R-E3845-24VDC	12" XGA EN50155 railway fanless touch panel computer with Intel® Atom™ E3845, sunlight readable CD (800 nits), 5-wire resistive touch screen and 24VDC power input
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### 110VDC Power Input (66V to 154VDC)

GOT712-837-R-E3845-110VDC	12" XGA EN50155 railway fanless touch panel computer with Intel® Atom™ E3845, sunlight readable LCD (800 nits), 5-wire resistive touch screen and 110VDC power input
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\* Specification and certifications are based on options and may vary.

## Optional EOS Installation

WES 7

WE8S

## Optional OS Installation

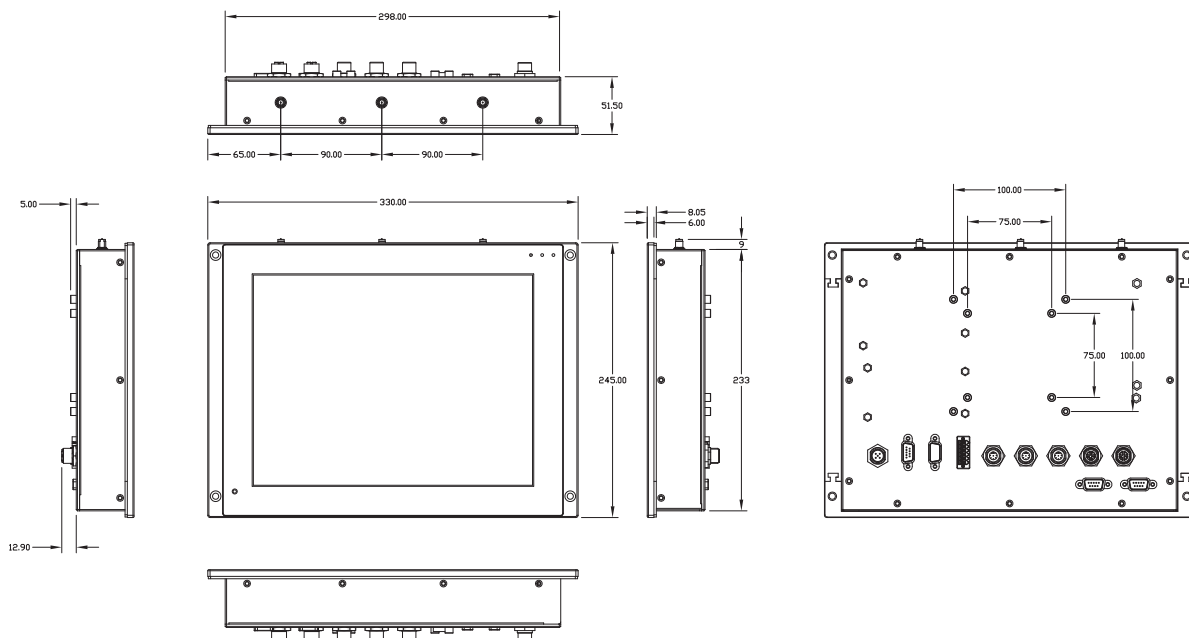
Windows® 7

Windows® 8/8.1



▲ Touch without keypad version

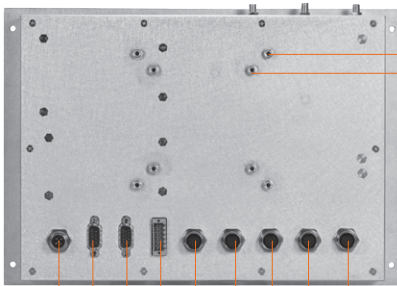
## Dimensions



# GOT710-837

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

NEW



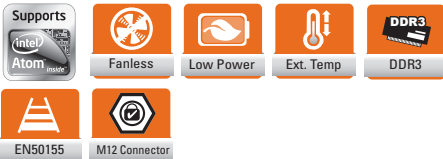
VESA 100  
VESA 75

1 2 3 4 5 6 7 8 9

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)



▲ 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.

## 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

## Specifications

Front Bezel	IP65, NEMA 4 rugged protection, aluminum front bezel	
LCD Panel	Display Type	10.4" SVGA TFT LCD
	Brightness (cd/m <sup>2</sup> )	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

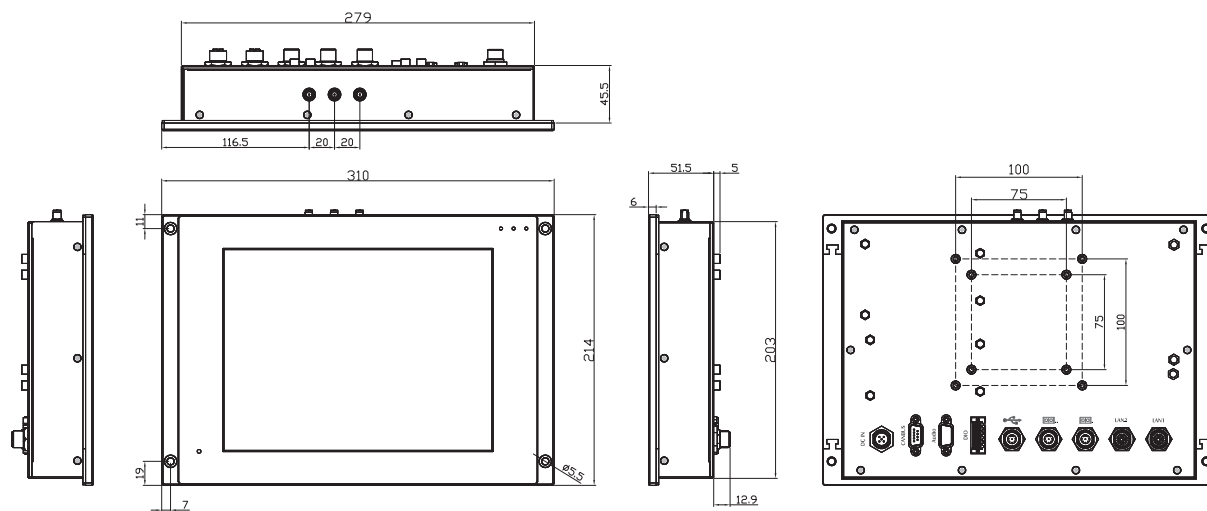
I/O Connector	2 x RS-232/422/485 with isolation 1.5KV (M12, A-coded) 2 x RJ-45 for Gigabit LAN with isolation 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolation 1.5KV (M12, A-coded) 1 x Audio: Line-out, Line-in, speaker-out (D-sub) 1 x DIO (6-IN/2-OUT) with isolation 1.5KV (phenox 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 UIC612-01 (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



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Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

## 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
GOT710-837-G-E3845-24VDC w/keypad	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

### 110VDC Power Input (66V to 154VDC)

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  
WES8

## Optional OS Installation

Windows® 7  
Windows® 8/8.1



▲ Touch without keypad version