GOT712-837
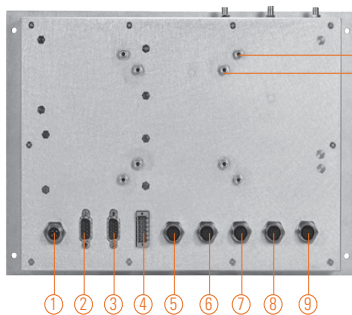
12.1" XGA EN50155 Railway Fanless Touch Panel PC with Intel® Atom™ Processor E3845 1.91 GHz (-25°C ~ +70°C)

NEW

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

Supports Intel Atom inside | Fanless | Low Power | Ext. Temp | DDR3 | EN50155 | M12 Connector

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/m²)	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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Updated March 10, 2016. * All specifications and photos are subject to change without notice.

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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

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

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

Optional EOS Installation

WES 7

WE8S

Optional OS Installation

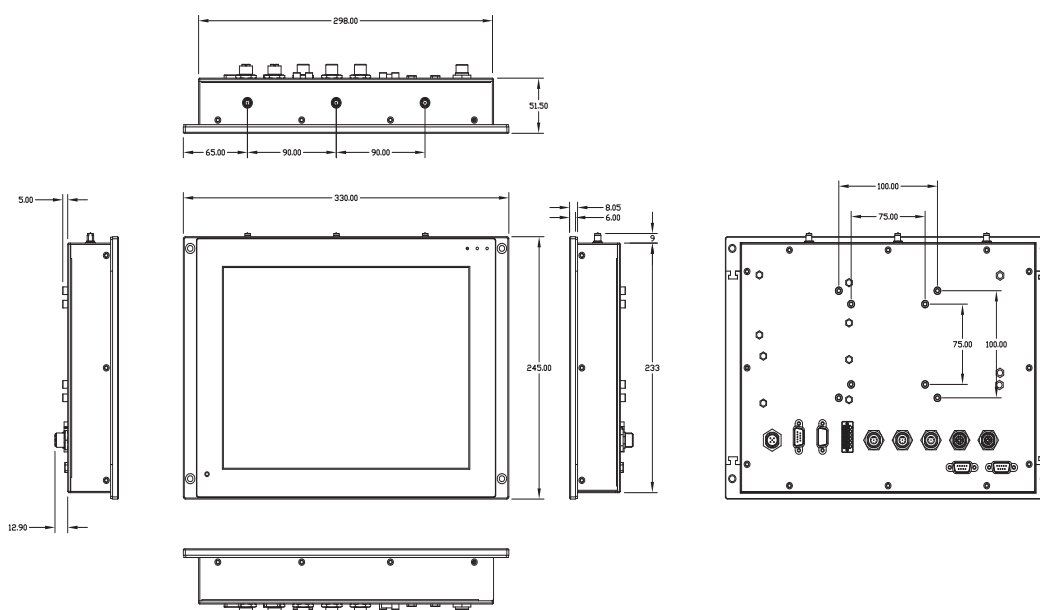Windows® 7

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

Dimensions

298.00 · 51.50 · 65.00 · 90.00 · 90.00 · 5.00 · 330.00 · 8.05 · 6.00 · 245.00 · 233 · 12.90 · 100.00 · 75.00 · 75.00 · 100.00

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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