GOT710-837

10.4" EN50155 Railway Fanless Touch Panel PC with Intel® Atom™ Processor E3827 1.75 GHz (-25°C ~ +70°C)
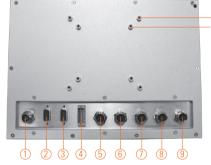
NEW

Features

- Sunlight readable 10.4" SGVA high brightness (1000 nits)
- Fanless with Intel® Atom™ processor E3827 1.75 GHz
- Alternative keypad control in front bezel
- All lockable connectors design
- Auto-dimming for detecting the different environment
- Wide operating temperature: -25°C ~ +70°C
- EN50155 certificated for railway application

VESA 100
VESA 75

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

▲ Side view

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

Introduction

GOT710-837 is used to keep the train driver informed about the status of the train's functions. Its design allows it to be deployed in environment with an extended temperature (-25°C ~ 70°C) and it also complies with the EMC, shock and vibration test requirements of European standard EN50155 for railway applications. GOT710-837 is equipped with 10.4" TFT ruggedized touch panel computer and all lockable connectors are perfect choice for Human Machine Interface (HMI) in railway environments. The 10.4" railway touch panel PC includes a comprehensive feature set with one CAN Bus, DIO, audio, two Ethernet ports, USB ports and RS-232/422/485.

Railway application-EN50155 certificated
Railway power module design support 10ms interruption, EMI EN55022 CLASS A filter, Over/short current protection for its railway application.

Sunlight readable design
Its sunlight readable technology with LED tech high brightness 1000 nits color display allows the screen legible even strong sunlight.

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 E3827 1.75 GHz (Bay Trail)
	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 isolated 1.5KV (M12, A-coded) 2 x RJ-45 for Gigabit LAN with isolated 1.5KV (M12, X-coded) 2 x USB 2.0 (M12, A-coded) 1 x DC for power input with isolated 1.5KV (M12, A-coded) 1 x Audio: Line out, Line in, speaker out (D-sub) 1 x DIO (6 input/2 output) with isolated 1.5KV (D-sub) 1 x CAN bus with isolated 1.5KV (D-sub)
Expansion Interface	2 x PCIe Mini Card slot
Flat Panel	Alternative 5-wire resistive touch panel or keyboard
Power Supply	14.4V to 40V DC or 66V to 154V DC 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	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 Railway, EN50121-3-2 Railway EMC, EN61373 Railway Shock/Vibration

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

Ordering Information

Sunlight readable type

GOT710-837-R	10.4" EN50155 railway fanless sunlight readable touch panel PC (1000 nits) with Intel® Atom™ E3827
GOT710-837-G	10.4" EN50155 railway fanless sunlight readable panel PC (1000 nits) with Intel® Atom™ E3827 and front bezel hotkeys

* 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

Dimensions

* All specifications and photos are subject to change without notice.

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