

GOT710-837

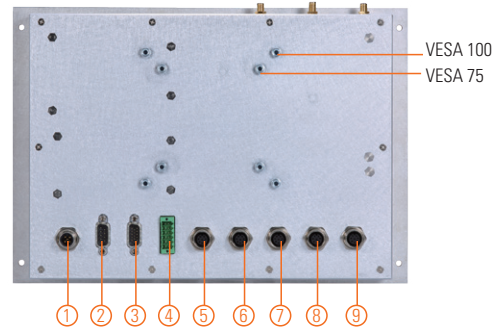
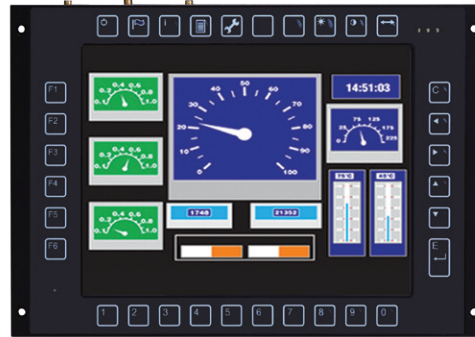
10.4" SVGA TFT LCD Railway Fanless Touchscreen Panel PC with Intel® Atom® Processor E3845 1.91 GHz (-25°C to +70°C)

Features

- Sunlight readable 10.4" SVGA TFT 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, EN 45545 certified for railway application



▲ Side view



1. DC power input with isolation 1.5kV
2. CANbus with isolation 1.5kV
3. Audio (line-out, line-in, mic-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 GbE with isolation 1.5kV
9. 1 x GbE with isolation 1.5kV



Introduction

The EN 50155 certified, GOT710-837 is equipped with a 10.4-inch SVGA TFT LCD 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 touchscreen panel PC also has an alternative keypad control on the front bezel for easy access and cleaning purposes. This feature-rich panel PC has an IP65-rated, M12 connectors and is EN 50155 certified.

Wide Temperature (-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 TFT LCD 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® 10, 8 and 7.

Specifications

| | | |
|-------------|--|---|
| Front Bezel | IP65, NEMA 4 rugged protection, aluminum front bezel | |
| LCD Panel | Display Type | 10.4" 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 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 Isolated M12 A-coded RS-232/422/485 (isolation level 1.5kV) 2 x isolated M12 X-coded GbE (isolation level 1.5kV) 1 x M12 A-coded USB 2.0 (2 port signal) 1 x M12 A-coded DC-in 1 x DB15 audio line-in, line-out, mic-in and speaker-out 1 x Isolated terminal block DIO (6-in/2-out, isolation level 1.5kV) 1 x Isolated DB9 CANbus (isolation level 1.5kV) |
| Expansion Interface | 2 x PCI Express Mini Card slot |
| Flat Panel | Alternative 5-wire resistive touchscreen or keyboard |
| Power Supply | 24 VDC or 110 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 | CE, EN 50155, EN 45545 Complied UIC 612 |

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

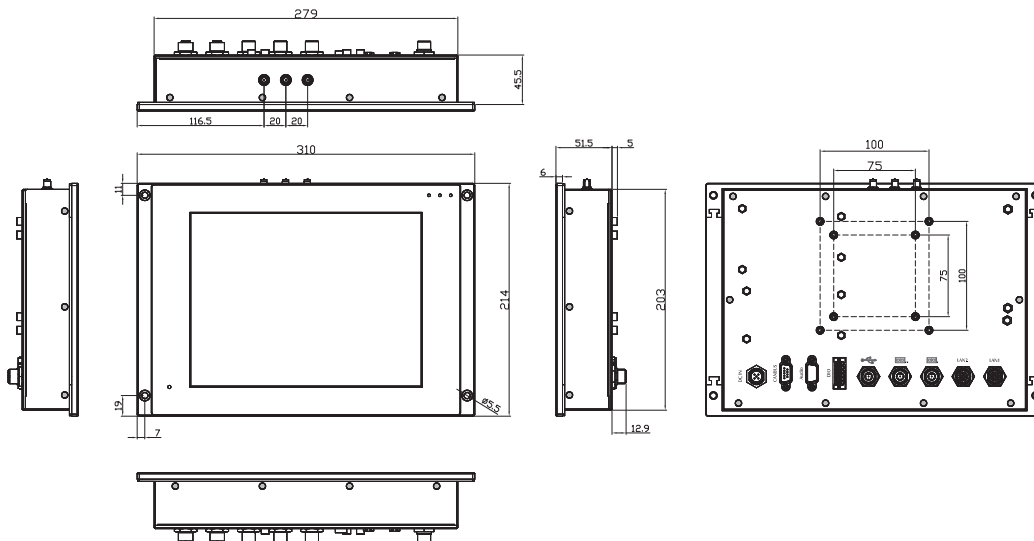
Packing List

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



▲ Touch without keypad version

Dimensions



Ordering Information

24 VDC Power Input

| | |
|---|--|
| GOT710-837-R-E3845-24 VDC (P/N: E22B710101) | 10.4" SVGA railway fanless touchscreen panel PC with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen and 24 VDC power input |
| GOT710-837-R-E3845-24 VDC with keypad (P/N: E22B710102) | 10.4" SVGA railway fanless touchscreen panel PC with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen 24 VDC power input and keypad |
| GOT710-837-G-E3845-24 VDC with keypad (P/N: E22B710103) | 10.4" SVGA railway fanless panel computer with Intel® Atom® E3845, sunlight readable LCD (1000 nits), non-touchscreen, 24 VDC power input and keypad |

110 VDC Power Input

| | |
|--|---|
| GOT710-837-R-E3845-110 VDC (P/N: E22B710104) | 10.4" SVGA railway fanless touchscreen panel PC with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen and 110 VDC power input |
| GOT710-837-R-E3845-110 VDC with keypad (P/N: E22B710105) | 10.4" SVGA EN 50155 railway fanless touchscreen panel PC with Intel® Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen, 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

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|-------------------|--|
| WES 7 | |
| WE8S | |
| Windows® 10 (IoT) | |

Optional OS Installation

| | |
|----------------|--|
| Windows® 7 | |
| Windows® 8/8.1 | |
| Windows® 10 | |