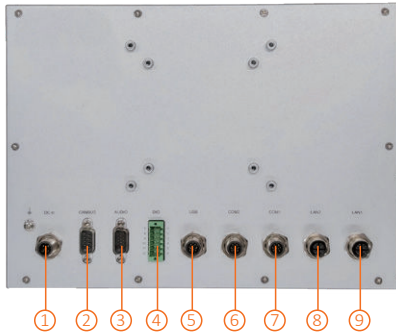


# GOT710S

EN50155 S3 10.4" SVGA TFT LCD Railway Fanless Touchscreen Panel PC with Intel Atom® Processor E3845 1.91 GHz (-40°C to +70°C)



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

## Features

- Sunlight readable 10.4" SVGA TFT LCD with 1000 nits of high 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
- -40°C to +70°C wide temperature range
- Typical 24 to 110 VDC wide power input range, EN 50155 Class S3 20ms power interruption protection
- EN 50155, EN 45545-2 certified for railway application



▲ Side view



▲ Touch without keypad version

## Introduction

The EN 50155 certified, GOT710S 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 front bezel, M12 connectors and is EN 50155 certified.

### Wide Temperature (-40°C to +70°C)

The Intel Atom®-based railway panel PC, GOT710S, 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 GOT710S 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: wall mount and VESA mount. Moreover, it is also ready for Windows® 10 IoT, Windows® 10, and 7.

## Specifications

|                       |  |  |
|-----------------------|--|--|
| Front Bezel           | IP65-rated aluminum front bezel and IP40-rated rear protection   |  |
| 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  | DDR3L 4GB onboard                                |
|                       | BIOS   | AMI  |
|                       | Storage  | 16GB flash onboard<br>1 x mSATA                  |
|                       | Watchdog Timer   | 255 levels, 1 to 255 seconds                     |
|                       | Onboard Graphics   | Integrated in Intel® GFX                         |
| I/O Connector         | 2 x Isolated M12 A-coded RS-232/422/485 (isolation level 1.5kV)<br>2 x Isolated M12 X-coded GbE (isolation level 1.5kV)<br>1 x M12 A-coded USB 2.0 (2 port signal)<br>1 x M12 A-coded DC-in<br>1 x DB15 audio line-in, mic-in, speaker-out or line-out<br>1 x Isolated terminal block DIO (6-in/2-out, isolation level 1.5kV)<br>1 x Isolated DB9 CANbus (isolation level 1.5kV) |  |
| Expansion Interface   | 2 x PCI Express Mini Card slot (slot2 for mSATA use only)  |  |
| Touchscreen           | 5-wire resistive touchscreen with or without keyboard  |  |
| Power Supply          | Typical 24 to 110 VDC<br>EN 50155 Class S3 20ms power interruption protection  |  |
| Power Consumption     | 24-110VDC, 1.4-0.29A   |  |
| Dimensions            | 310 mm (12.20") (W) x 61.5 mm (2.42") (D) x 214 mm (8.43") (H)<br>(Excluding connectors and fixation dimensions, please refer to below drawing to get more details)  |  |
| Packing Dimensions    | 392 mm (15.43") (W) x 195 mm (7.68") (D) x 447 mm (17.60") (H)   |  |
| Weight (net/gross)    | 2.6 kg (5.73 lb)/4.4 kg (9.7 lb)   |  |
| Operating Temperature | -40°C to +70°C (-40°F to +158°F)   |  |
| Relative Humidity     | 10% to 95% @ +40°C, non-condensing   |  |
| Certifications        | CE/FCC Class A, EN 50155, EN 50121-3-2, EN 61373, EN 45545-2 certified and UIC-612-01 Keypad layout complied   |  |

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

## Ordering Information

### 24 to 110 VDC Power Input

|  |   |
|--|---|
| GOT710S-R-E3845-24-110VDC<br>(P/N: E22B710110)             | 10.4" SVGA railway fanless touchscreen panel PC with Intel Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen, 24 to 110 VDC power input, EN 50155 Class S3 20ms power interruption protection            |
| GOT710S-R-E3845-24-110VDC with keypad<br>(P/N: E22B710111) | 10.4" SVGA railway fanless touchscreen panel PC with Intel Atom® E3845, sunlight readable LCD (1000 nits), 5-wire resistive touchscreen, 24 to 110 VDC power input, EN 50155 Class S3 20ms power interruption protection and keypad |

\*Specifications and certifications may vary based on different requirements.

## Packing List

1 x GOT710S unit  
1 x Phoenix connector

## 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                              |
| 594B7100B00E | M12 DC-in power cable with ACC signal, length 1.8M |

## Optional OS Installation

Windows® 7

Windows® 10

Windows® 10 IoT

## Optional EOS Installation

WES 7

Windows® 10 (IoT)

## Dimensions

