GOT710S
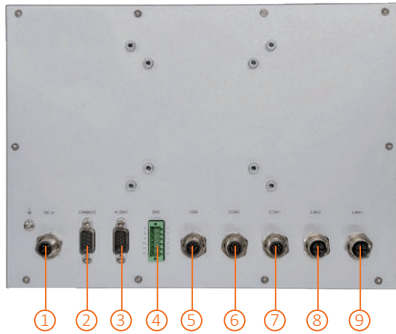
EN50155 S3 10.4" SVGA TFT LCD Railway Fanless Touchscreen Panel PC with Intel Atom® Processor E3845 1.91 GHz (-40°C to +70°C)

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

EN50155 | M12 Connector | Fanless | Low Power | Ext. Temp | DDR3L

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

▲ 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^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	DDR3L 4GB onboard
	BIOS	AMI
	Storage	16GB flash onboard 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) 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, mic-in, speaker-out or line-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 (slot2 for mSATA use only)	
Touchscreen	5-wire resistive touchscreen with or without keyboard	
Power Supply	Typical 24 to 110 VDC 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) (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 (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 (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