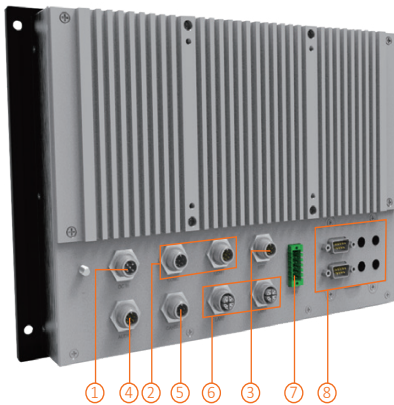


# GOT710A NEW

EN 50155 S3 10.4" XGA TFT LCD Railway Fanless Touchscreen Panel PC with Intel Atom® Processor x6425E (12W) 2.0 GHz (-40°C to +70°C)



- |  |                        |
|--|------------------------|
| 1. DC power input with isolation 1.5kV | 5. CAN bus             |
| 2. 2 x RS-232/422/485                  | 6. 2 x GbE LAN         |
| 3. USB 2.0                             | 7. DIO (6-in/2-out)    |
| 4. Mic-in/Line-out                     | 8. Flexible I/O window |

## Features

- Sunlight readable 10.4" XGA TFT LCD
- Intel Atom® processor x6425E, 12W (Elkart Lake)
- Alternative keypad control on the front bezel
- M12-type lockable connectors design
- Auto-dimming for different environments
- -40°C to +70°C wide temperature range (EN 50155 OT4)
- Typical 24 to 110 VDC wide power input range, EN 50155 Class S3 20ms power interruption protection
- EN 50155 and EN 45545-2 certified for railway applications



▲ Side view



▲ Touch without keypad version

## Introduction

The EN 50155 certified GOT710A features a 10.4-inch XGA TFT LCD display with a high brightness LED backlight. This enables train operators to effortlessly read operational status messages, even when exposed to direct sunlight. Designed for simplicity in operation and maintenance, this all-in-one railway touchscreen panel PC includes an alternative keypad control located on the front bezel for convenient access and cleaning. Additionally, boasting an IP65-rated front bezel and M12 connectors, this panel PC is well-suited for robust and reliable railway applications.

### Wide Temperature (-40°C to +70°C)

The Intel Atom®-based GOT710A offers wide temperature range support and fanless operation. Additionally, it features a high brightness TFT LCD display and a compact design tailored for demanding transportation environments.

### Designed for Railway Applications

Axiomtek's GOT710A is specifically designed to meet the rigorous demands of human-machine interface (HMI) applications within the railway industry. It excels in tasks such as monitoring and controlling speed, temperature, security, and fleet management. To ensure dependable operation across diverse locations, this 10.4-inch railway panel PC offers versatile mounting options including wall mount and VESA mount. Additionally, it is compatible with Windows® 11 and Linux, providing flexibility and compatibility with various software systems.

## Specifications

Front Bezel	IP65-rated aluminum front bezel and IP40-rated rear protection	
LCD Panel	Display Type	10.4" XGA TFT LCD
	Brightness (cd/m <sup>2</sup> )	500 nits
	Resolution	1024 x 768
	Viewing Angle (H/V)	176°/176°
Main System	CPU	Intel Atom® processor x6425E, 12W (Elkart Lake)
	Chipset	SoC integrated
	System Memory	1 x 260-pin DDR4-3200 SO-DIMM, up to 32GB (default 4GB)
	BIOS	AMI
	Storage	1 x M.2 Key B 2242 SSD (default 64GB)
	Watchdog Timer	255 levels, 1 to 255 seconds
	Onboard Graphics	Integrated in Intel® GFX
I/O Connector	2 x M12 A-coded RS-232/422/485	
	2 x M12 X-coded-8P GbE LAN	
	1 x M12 A-coded USB 2.0 (2-port signal)	
	1 x M12 A-coded DC-in	
	1 x M12 A-coded-8P Mic-in/Line-out	
	1 x Terminal block DIO (6-in/2-out)	
	1 x M12 A-coded-8P CAN bus	
Expansion Interface	1 x Full-size Mini Card slot (PCIe/USB/SIM)	
	1 x Full-size Mini Card slot (PCIe/USB/mSATA )	
	1 x M.2 Key B 2242 slot (PCIe/SATA)	
	1 x M.2 Key A + E 2230 slot (PCIe/USB)	
Flexible Window	MVB (optional)	
Touchscreen	Projected capacitive touch	
Power Supply	Typical 24 to 110 VDC	
	EN 50155 Class S3 20ms power interruption protection	
Dimensions	310 mm (12.20") (W) x 55 mm (2.17") (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)	2.69 kg (5.93 lb)/4.17 kg (9.19 lb)	
Operating Temperature	-40°C to +70°C (-40°F to +158°F) (EN 50155 OT4)	
Relative Humidity	10% to 90% @ +40°C, non-condensing	
Certifications	CE/FCC Class A, EN 50155, 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

GOT710A-ELK-TC (P/N: E22B710A00)	10.4" XGA railway fanless touchscreen panel PC with Intel Atom® x6425E, sunlight readable LCD (500 nits), projected capacitive touchscreen, 24 to 110 VDC power input, EN 50155 Class S3 20ms power interruption protection
GOT710A-ELK-TCK (P/N: E22B710A01)	10.4" XGA railway fanless touchscreen panel PC with Intel Atom® x6425E, sunlight readable LCD (500 nits), projected capacitive 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 GOT710A unit
- 1 x Phoenix connector
- 2 x M.2 slot screw M3 x 4L
- 2 x PCIe Mini Card slot screw M3 x 5L

### Optional Accessories

TBD	GOT7XX LTE Kit
TBD	GOT7XX 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

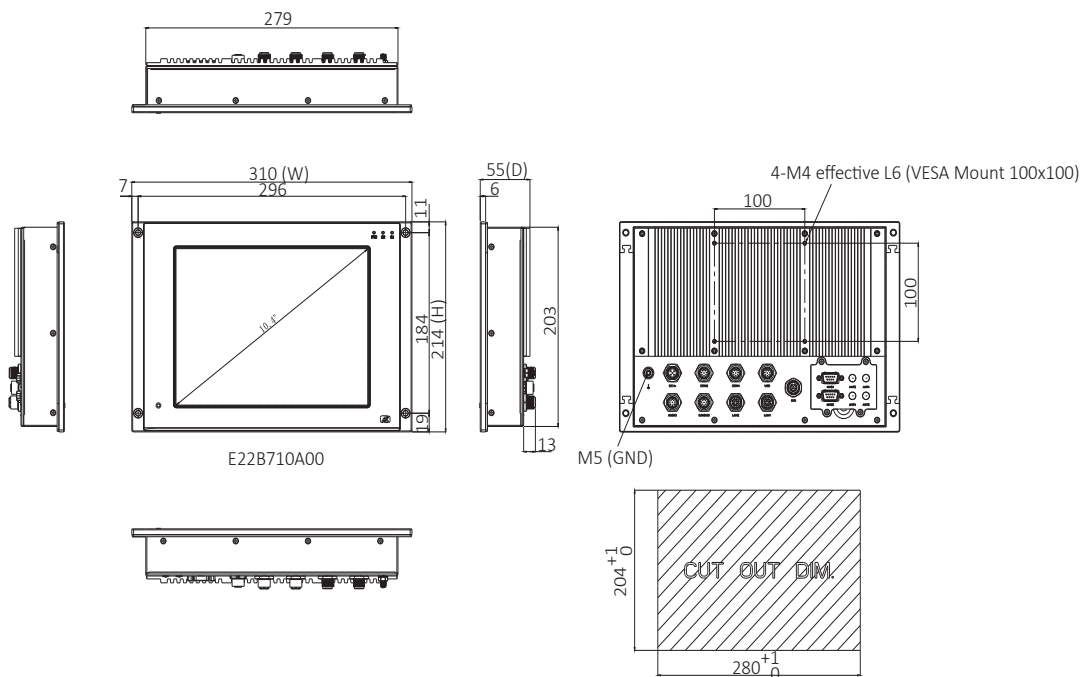
### Optional OS Installation

Windows® 11
Ubuntu 22.04

### Optional EOS Installation

Windows® 11 (IoT)
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### Dimensions



## 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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