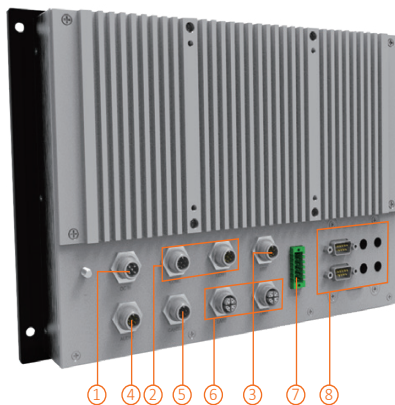


GOT710A NEW

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 ²) | 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 |

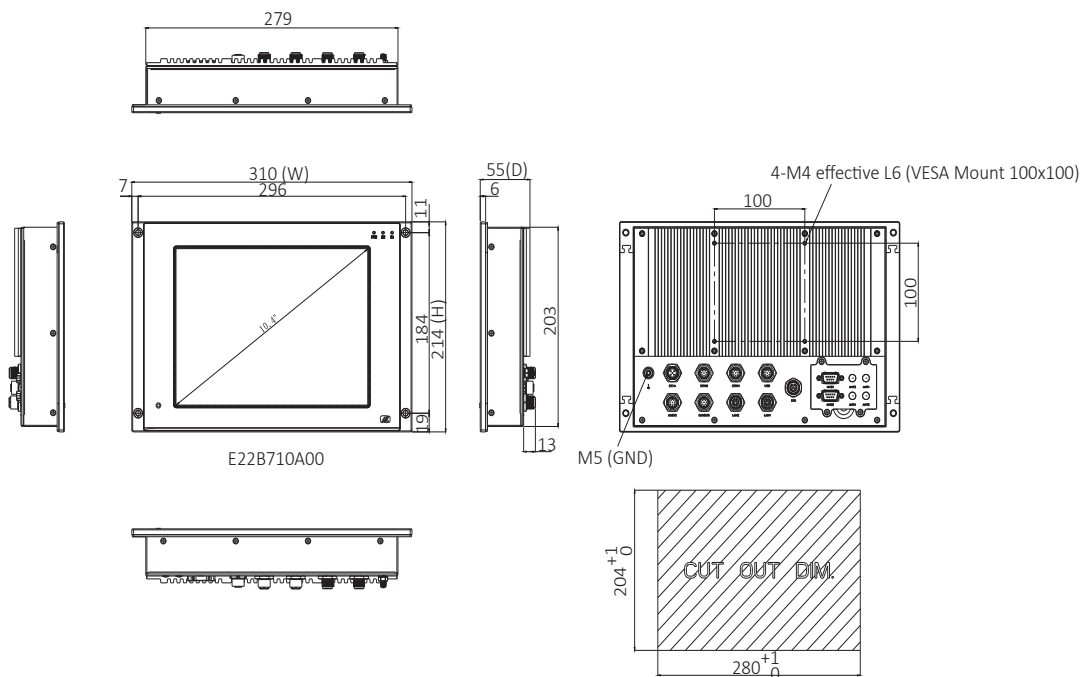
Optional OS Installation

| |
|--------------|
| Windows® 11 |
| Ubuntu 22.04 |

Optional EOS Installation

| |
|-------------------|
| Windows® 11 (IoT) |
|-------------------|

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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