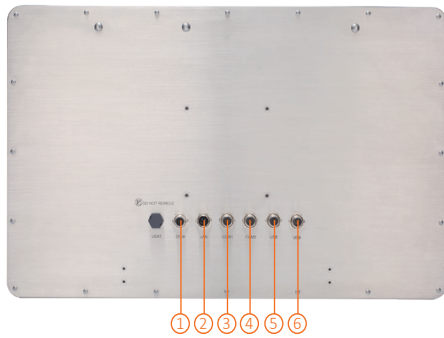


GOT821A-TGL-WCD

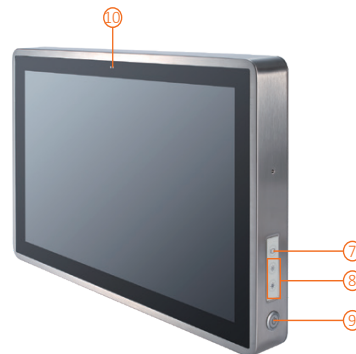
21.5" FHD TFT IP66 & IP69K-rated Stainless Steel Fanless PCT Panel Computer with Intel® Core™ i5-1145G7E or Celeron® 6305E Processor and Flat Bezel Design (-20°C to +50°C)



- | | |
|--|--|
| 1. DC power connector | 6. 2 x USB 2.0 |
| 2. 1 x 2.5GbE LAN | 7. Backlight on/off |
| 3. 1 x RS-232/422/485 (default RS-232) | 8. Brightness settings +/- |
| 4. 1 x RS-232/422/485 (default RS-232) | 9. Power on/off |
| 5. 2 x USB 2.0 | 10. Proximity and light sensors (optional) |

Features

- 21.5" FHD TFT flat bezel LCD display
- IP66/IP69K-rated (NEMA 4X) design for water, dust, and corrosion resistance
- Full stainless-steel enclosure constructed from SUS 304
- -20°C to +50°C wide operating temperature range
- Fanless design with Intel® Core™ i5-1145G7E processor
- Wi-Fi kit for wireless network connectivity (optional)
- 12 to 24 VDC wide range power input
- Supports VESA mount
- M12-type connectors for harsh environments



▲ Side view

Introduction

The 21.5-inch GOT821A-TGL-WCD is specially designed for food processing applications. Its IP66-rated stainless steel housing protects the entire system from damage caused by water, powder, and dust. It also supports a wide operating temperature range from -20°C to +50°C. This robust unit is specifically designed for high humidity, dusty or wet spaces in food factories or kitchens, as well as harsh applications.

Full IP66 and IP69K Certified

The GOT821A-TGL-WCD features a water and dust-proof housing design with five IP66-rated M12 I/O connectors, along with IP69K rating to ensure resistance to high temperature and high-pressure water ingress. It has undergone comprehensive testing, including IP66 testing by SGS and verification of salt mist resistance. Additionally, it has been subjected to testing with a high-temperature water spray nozzle (at +80°C) with a flow rate of 14 to 16 L/min, held at distances of 10 to 15 cm from the device at angles of 0°, 30°, 60°, and 90° for 30 seconds. These rigorous tests confirm the GOT821A-TGL-WCD's suitability for harsh-environment applications.

Wide Temperature (-20°C to +50°C) & Anti-vibration (1G) Design

The GOT821A-TGL-WCD, featuring a fanless and noiseless design, supports a wide operating temperature range from -20°C to +50°C. Additionally, its patented anti-vibration technology for SSD ensures reliability and stability.

Specifications

Enclosure	Stainless steel (SUS) 304 or 316 (optional)	
LCD Panel	Display Type	21.5" FHD TFT LCD
	Brightness (cd/m ²)	400 nits
	Resolution	1920 x 1080
	Viewing Angle (H/V)	178°/178°
Main System	CPU	Intel® Core™ i5-1145G7E 2.6 GHz or Celeron® 6305E 1.8GHz
	Chipset	SoC integrated
	TPM	TPM 2.0 on board
	System Memory	1 x 260-pin DDR4-3200 SO-DIMM, up to 32GB
	BIOS	AMI UEFI BIOS
	Storage	1 x 2.5" SATA SSD (9.5mm height)
	Watchdog Timer	65536 levels, 0 to 65535 sec.
	Onboard Graphics	Integrated with Intel® Iris® X Graphics (Core™ i5-1145G7E) Integrated with Intel® UHD Graphics (Celeron® 6305E)
I/O Connector	2 x RS-232/422/485 (default RS-232, A-coded)	
	4 x USB 2.0 (A-coded)	
	1 x 2.5GBASE-T Ethernet with Intel® I225 (TSN and X-Coded) in support of Wake-on-LAN and PXE Boot ROM	
	1 x DC power connector (M12 A-coded)	
Expansion Interface	1 x M.2 Key E slot (with PCIe x1 and USB 2.0 supported), dimensions: 22 x 30 mm	
Touchscreen	Projected capacitive multi-touch	
Power Input	12 to 24 VDC	
Power Consumption	78.7W	
Dimensions	552 mm (21.73") (W) x 55 mm (2.2") (D) x 338.4 mm (13.33") (H)	
Packing Dimensions	720 mm (28.35") (W) x 205 mm (8.07") (D) x 540 mm (21.26") (H)	
Weight (net/gross)	9.0 kg (19.84 lb) / 12 kg (26.46 lb)	
Operating Temperature	-20°C to +50°C (-4°F to +122°F)	
Relative Humidity	10% to 95% @ +40°C, non-condensing	
Operation Vibration	1G, 5 - 500Hz, random for 2.5" SSD	
Certifications	CE, EN 61000-6-2, EN 61000-6-4, and FCC Class A	
	C1D2 compliance (must install I/O cover, 882B815A0A0E/882B815A1A0E)	

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

**To comply with C1D2 certification, please refer to "Optional C1D2 Accessories" to install specific accessories.

I/O Cover Kit



882B815A0A0E
GOT821A C1D2-Cover kit (down)



882B815A1A0E
GOT821A_C1D2-Cover kit (up)

Ordering Information

GOT821A-TGL-WCD (P/N: E22B821A00)	21.5" FHD IP66 & IP69K-rated stainless steel fanless touch panel computer with Intel® Core™ i5-1145G7E, projected capacitive touch screen, 400 nits LCD, and 12 to 24 VDC power input
GOT821A-11C-WCD (P/N: E22B821A01)	21.5" FHD IP66 & IP69K-rated stainless steel fanless touch panel computer with Intel® Celeron 6305E, projected capacitive touch screen, 400 nits LCD, and 12 to 24 VDC power input

* Other configuration by request

* Specification and certifications may vary based on different requirements

Packing List

1 x GOT821A-TGL-WCD
1 x DC cable

Optional Accessories

594B8122100E	Water-proof COM cable (1.8 m)
594B7102700E	Water-proof LAN cable (1.8 m)
594B8152820E	Water-proof USB cable (1.8 m)
509000002200	Adapter 24V 90W, M12 A-code 5P
882B815A0A0E	GOT815A-C1D2-Cover-DN Kit
882B815A1A0E	GOT815A-C1D2-Cover-UP Kit

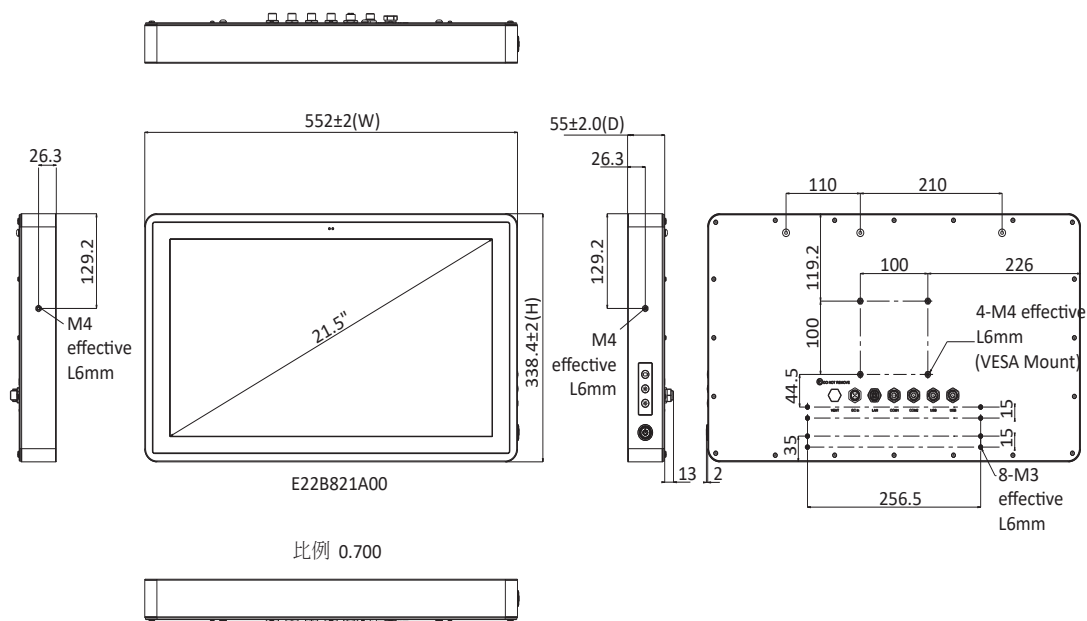
Optional EOS Installation

Windows® 10 IoT, Windows® 11 IoT

Optional OS Installation

Windows® 10, Windows® 11

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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