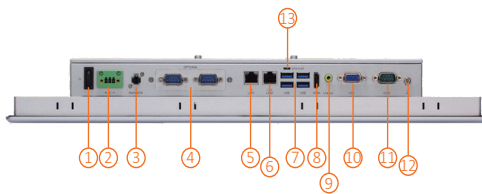
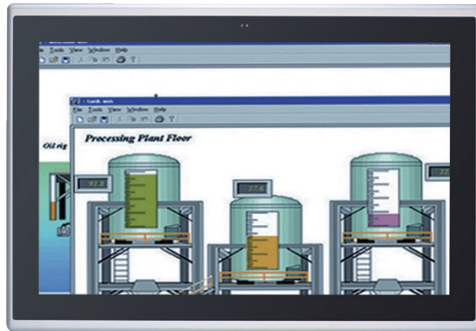


# GOT318A-ELK-WCD NEW

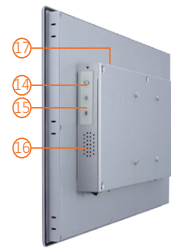
18.5" FHD TFT Multi-touch Panel Computer with Intel® Celeron® Processor J6412



- |                                         |                                |                               |
|-----------------------------------------|--------------------------------|-------------------------------|
| 1. Power button                         | 6. 1 x 2.5GbE LAN              | 12. Grounding hole            |
| 2. DC power input                       | 7. 4 x USB 3.2 Gen2            | 13. AT/ATX switch             |
| 3. Remote power switch                  | 8. 1 x HDMI                    | 14. Backlight on/off          |
| 4. Flexible I/O<br>(default 2 x RS-232) | 9. 1 x Line-in/out             | 15. Brightness settings +/-   |
| 5. 1 x 1GbE LAN                         | 10. 1 x VGA                    | 16. Speaker                   |
|                                         | 11. 1 x COM for RS-232/422/485 | 17. 3 x Wireless antenna hole |

## Features

- 18.5" FHD projected capacitive multi-touch widescreen
- Fanless design with Intel® Celeron® processor J6412 (Elkhart Lake)
- Supports WLAN module and antenna (optional)
- 2.5" SATA SSD
- 2 LAN, 4 USB, 1 COM, 1 HDMI, and 1 VGA
- IP65-rated aluminum front bezel
- Supports panel mount, VESA mount, desktop stand, and wall mount
- Supports proximity and ambient light sensors (optional)



▲ Rear View



▲ Side View

## Introduction

The GOT318A-ELK-WCD is a multi-touch fanless panel PC with 18.5-inch FHD LCD and supports Intel® Celeron® processor J6412. It provides M.2 Key E and PCI Express Mini Card slots for add-on devices such as Wi-Fi module.

### 18.5-inch FHD LCD with Projected Capacitive Multi-touch

The GOT318A-ELK-WCD supports 350 nits of brightness, able to display contents in FHD resolution. With projected capacitive multi-touch screen, users can operate the device more directly and friendly. The touch glass surface is up to 7H for anti-scratch purpose.

## Specifications

|             |                                 |                                                          |
|-------------|---------------------------------|----------------------------------------------------------|
| Front Bezel | IP65 front bezel                |                                                          |
| LCD Panel   | Display Type                    | 18.5" FHD TFT LCD                                        |
|             | Brightness (cd/m <sup>2</sup> ) | 350 nits                                                 |
|             | Resolution                      | 1920 x 1080                                              |
| Main System | CPU                             | Intel® Celeron® processor J6412 (TDP 12W) (Elkhart Lake) |
|             | Chipset                         | SoC integrated                                           |
|             | System Memory                   | 1 x 260-pin DDR4 2133/2400/2666/3200 SO-DIMM, up to 32GB |
|             | BIOS                            | AMI UEFI BIOS                                            |
|             | Storage                         | 1 x mSATA                                                |
|             |                                 | 1 x 2.5" SATA SSD (7 mm and 9.5 mm height; removable)    |
|             | Watchdog Timer                  | 255 levels, 0 to 255 sec.                                |
|             | Onboard Graphics                | Integrated with Intel® UHD Graphics                      |

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O Connector         | 1 x Flexible I/O (default 2 x RS-232)<br>1 x COM for RS-232/422/485<br>1 x RJ-45 2.5Gb Base-T Ethernet (Intel® I226-LM with TSN)<br>1 x RJ-45 1Gb Base-T Ethernet (Intel® I210-AT)<br>4 x USB 3.2 Gen2 (10 Gbps)<br>1 x Phoenix type connector for DC power input<br>1 x Switch for power on/off (ATX)<br>1 x Line-in/out<br>1 x HDMI 1.4 (4K60Hz YCbCr420)<br>1 x VGA<br>1 x Remote power switch<br>1 x AT/ATX switch (DC type only)<br>1 x Grounding hole (DC version) |
| TPM                   | TPM 2.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Expansion Interface   | 1 x Full-size PCI Express Mini Card slot (PCIe + SATA + USB)<br>1 x M.2 Key E 2230 (for Wi-Fi)                                                                                                                                                                                                                                                                                                                                                                           |
| Touchscreen           | Projected capacitive multi-touch                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Supply          | 9 to 36VDC<br>1 x Terminal block                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power Consumption     | 68.4W (Maximum)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dimensions            | 475 mm (18.7") (W) x 59.4 mm (2.3") (D) x 302 mm (11.89") (H)                                                                                                                                                                                                                                                                                                                                                                                                            |
| Packing Dimensions    | 605 mm (23.81") (W) x 200 mm (7.87") (D) x 505 mm (19.88") (H)                                                                                                                                                                                                                                                                                                                                                                                                           |
| Weight (net/gross)    | 5.91 kg (13.02 lb)/ 7.95 kg (17.52 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature | -10°C to 50°C (+14°F to +122°F)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Relative Humidity     | 20% to 90% @ +40°C; non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Operation Vibration   | 1G, 5 to 500Hz, random for 2.5" SATA SSD                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Certifications        | CE, EN 61000-6-2, EN 61000-6-4, and FCC Class A                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Ordering Information

|                   |                                                                                                                                       |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| GOT318A-ELK-WCD   | 18.5" FHD TFT fanless touch panel computer with Intel® Celeron® processor J6412, projected capacitive multi-touch screen, and 9 to 36 |
| (P/N: E22B318A00) | VDC terminal block with small Phoenix connector                                                                                       |

\*Other configuration by request

\*\*Specification and certifications may vary based on different requirements

## Packing List

1 x GOT318A-ELK-WCD  
1 x Phoenix connector  
1 x Panel mount kit

## Optional Accessories

|                     |                                                                    |
|---------------------|--------------------------------------------------------------------|
| 4G LTE kit          |                                                                    |
| Wi-Fi kit           |                                                                    |
| RFID kit            |                                                                    |
| Barcode scanner kit |                                                                    |
| 881231770A0E        | Wall mount kit                                                     |
| 509000001500        | Adaptor 24V/120W, wire only, FSP120-AAAN3                          |
| E392902101          | AX92902+AX93287 full-size PCI Express Mini Module with Gigabit LAN |
| E392903100          | AX92903 full-size PCI Express Mini Module with CAN Bus             |
| E392904101          | AX92904 full-size PCI Express Mini Module with 32-bit DIO          |

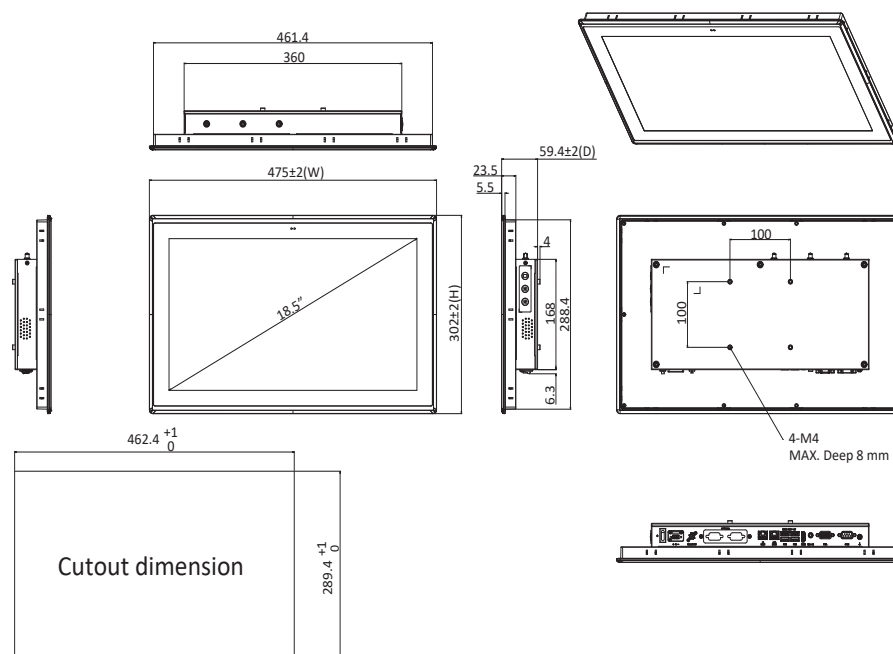
## Optional EOS Installation

Windows® 10 IoT, Windows® 11 IoT

## Optional OS Installation

Windows® 10, Windows® 11, and Linux

## 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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