

# Titan-AL Series

## 15.6"/21.5"/23.8" IP69K Industrial Panel Computer

### Features

- Intel Atom® x7-E3950 processor
- 15.6"/21.5"/23.8" projected capacitive touchscreen
- IP69K rating for high pressure hot water cleaning
- M12 waterproof connectors & cables
- Corrosion-resistant 316L stainless steel
- Flush front panel & sleek exterior to prevent water residue after cleaning
- VESA and pipe mount options

Preliminary



### Introduction

The IP69K-rated Titan Panel Computer series is designed for use in monitoring and controlling production processes in industries obligated to meet high hygiene standards. The Titan series features power-efficient computing and up to 1080p high contrast display to present control schematics and graphical diagrams to systems operators. Encased in an IP69K, 316L stainless steel housing, the Titan series can withstand high pressure hot water cleaning, oxidative damage or other chemical reactions and is engineered to prevent water from remaining on the surface after cleaning with its flush front panel surface and the sleek rear chassis design. The pipe mounting option helps keep the workplace clean and neat by providing protection and allowing organization of cables. The Titan Panel Computer series is an ideal fit for food and beverage, pharmaceutical, automotive, and steel and metal industries.

### Ordering Information

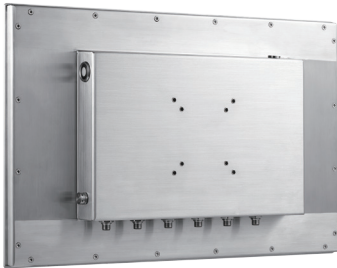
- **Titan-15WP-VESA-E3950**  
15.6" Titan IP69K Touch Computer, VESA mount, PCAP, 4GB RAM, 128GB SSD
- **Titan-15WP-PIPE-E3950**  
15.6" Titan IP69K Touch Computer, Pipe mount, PCAP, 4GB RAM, 128GB SSD
- **Titan-21WP-VESA-E3950**  
21.5" Titan IP69K Touch Computer, VESA mount, PCAP, 4GB RAM, 128GB SSD
- **Titan-21WP-PIPE-E3950**  
21.5" Titan IP69K Touch Computer, Pipe mount, PCAP, 4GB RAM, 128GB SSD
- **Titan-24WP-VESA-E3950**  
23.8" Titan IP69K Touch Computer, VESA mount PCAP, 4GB RAM, 128GB SSD
- **Titan-24WP-PIPE-E3950**  
23.8" Titan IP69K Touch Computer, Pipe mount, PCAP, 4GB RAM, 128GB SSD

### Optional Accessories

- **Wi-Fi Kit**  
IEEE 802.11 a/b/g/n/ac
- **Protection Caps**  
Waterproof caps for M12 connectors
- **Wall Mount Kit**  
Rotatable VESA wall mount kit for Titan-21/24WP-VESA-E3950

## Highlights

### VESA Mount

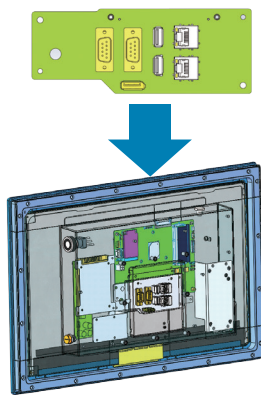


Titan-AL with M12 connectors

### Pipe Mount



Stainless steel housing for full IP65/IP69K



Modular design allows customizable I/O and functionality by project basis. Contact your ADLINK representative for more information.



Water and dust proof is easy and reliable with standard cable connectors. No extra cost needed.

## Specifications

| Model Name                                       | Titan-15W-AL   | Titan-21W-AL         | Titan-24W-AL         |
|--|--|----------------------|----------------------|
| <b>System</b>                                    |  |                      |                      |
| Processor  | Intel Atom® x7-E3950 Processor   |                      |                      |
| Memory   | 4GB DDR3L default (up to 8GB)  |                      |                      |
| Storage  | 1x 2.5" SATA drive bay   |                      |                      |
| <b>Display Panel</b>                             |  |                      |                      |
| Display Size                                     | 15.6"  | 21.5"                | 23.8"                |
| Display Resolution                               | 1366 x 768   | 1920 x 1080          | 1920 x 1080          |
| Luminance  | 400 nits (w/o touch)   | 400 nits (w/o touch) | 400 nits (w/o touch) |
| Backlight MTBF (hrs)                             | 50000  | 50000                | 50000                |
| Contrast Ratio                                   | 500:1  | 1000:1               | 1000:1               |
| Display View Angle (U/D/R/L)                     | 80/80/85/85  | 89/89/89/89          | 89/89/89/89          |
| Touch Screen                                     | Projective capacitive sensor   |                      |                      |
| <b>I/O</b>                                       |  |                      |                      |
| IP69K I/O Ports (M12 stainless connectors)       | 2x USB 2.0<br>2x GbE LAN<br>2x COM ports, RS232/422/485<br>1x AC power input   |                      |                      |
| Integrated I/O Ports (optional Pipe Mount model) | 1x USB 2.0, Type A<br>1x USB 3.0, Type A<br>2x GbE LAN, RJ-45<br>2x COM ports, RS-232/422/485<br>1x DisplayPort<br>1x AC power input |                      |                      |
| Expansion  | 1x Mini PCIe card with PCIe and USB interface  |                      |                      |
| Wi-Fi and Bluetooth                              | 802.11 a/b/g/n/ac and BT 4.0 (optional with Mini PCIe card)  |                      |                      |
| <b>Mechanical</b>                                |  |                      |                      |
| Construction                                     | Stainless Steel 316L (V4A)   |                      |                      |
| Weight   | 8 kg   | 12.0 kg              | 12.8 kg              |
| Dimensions (H x W x D)                           | 419 x 268 x 59.3 mm  | 561 x 353 x 67.4 mm  | 610 x 379 x 67.3 mm  |
| Mounting   | VESA mount, MIS-D 75/100 mm or pipe mount  |                      |                      |
| <b>Environmental</b>                             |  |                      |                      |
| Operating Temperature                            | 0°C to 45°C  | 0°C to 45°C          | 0°C to 45°C          |
| Storage Temperature                              | -20°C to 60°C  | -20°C to 60°C        | -20°C to 60°C        |
| Operating Humidity                               | 10% to 90% @ 40°C (non-condensing)   |                      |                      |
| Vibration  | Operating: 1G random 5 to 500Hz  |                      |                      |
| Shock  | Operating: 10G acceleration part to part, 11 ms  |                      |                      |
| IP Rating  | IP69K sealed   |                      |                      |
| Certifications & Compliance                      | CE/FCC EN 55032/24, Part 15B<br>EN61000-6-2/-4 (EN55011)<br>UL/CB (62368) + CB (60950)   |                      |                      |
| Input Voltage                                    | 100-240 VAC (100 W AC-DC PSU)  |                      |                      |
| Power Consumption                                | 35W  | 40W                  | 48W                  |
| <b>Software</b>                                  |  |                      |                      |
| Operating System                                 | Windows® 10 IoT Enterprise   |                      |                      |