ONLOGIC TN101 Tacton Industrial Display User Guide

Contents

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ONLOGIC TN101 Tacton Industrial Display

Product Specifications:

- Panel Size: Customizable
- Display Options: Resistive or Capacitive (PCAP) Touch
- Display Brightness: Standard or High Brightness
- Front Bezel Rating: IP66/IP69K
- Power Input: 12 to 24 Volts
- Mounting Options: VESA & Panel Mounting
- Additional Features: Industrial Power Input, Optional I/O Locking Bracket, Fanless Cooling

Product Usage Instructions

Installation:

The Tacton TN101 display is designed for easy installation. Follow these steps:

1. Choose the appropriate display size and type based on your requirements.
2. Connect the display module to the OnLogic industrial or rugged computer.
3. Select the desired features and brightness settings for optimal performance.
4. Mount the display using VESA or panel mounting solutions.

Environment:

The TN101 is suitable for various environments including food production, manufacturing, factory automation, in-vehicle, and energy management settings. It is resistant to extreme temperatures, moisture, dust, and UV exposure.

Usage Scenarios:

- **Food Production:** Ideal for applications requiring regular cleaning with IP66/IP69K rated screen bezels.
- **Manufacturing & OEM:** Easily integrates into OEM products or standalone manufacturing solutions.
- **Factory Automation:** Simple installation and integration with existing infrastructure.
- **Energy & Heavy Industry:** Engineered for harsh environments with high-brightness displays.
- **In-Vehicle:** Tested for shock and vibration, suitable for vehicle deployment.

Frequently Asked Questions

- **Q: What are the available display options for the Tacton TN101?**
  - A: The Tacton TN101 offers both resistive and capacitive (PCAP) touchscreens with standard or high brightness displays.
- **Q: Can the Tacton TN101 withstand extreme conditions?**
  - A: Yes, the TN101 is engineered to operate reliably in challenging environments, including extreme temperatures, moisture, and dust resistance.

Introduction

OnLogic Tacton TN101 Industrial Display

The Tacton TN101 display is an easy to install touchscreen, purpose-built for reliability in tough environments. Choose the display size, type, features and brightness you need in combination with our display module to connect to the OnLogic industrial or rugged computer of your choice.

- onlogic.com/tn101

Display Options For Every Application

Every automation, data visualization, From outdoor installations in direct sunlight, to food production environments that require equipment to be regularly sprayed clean, the Tacton TN101 has display options to suit any deployment.

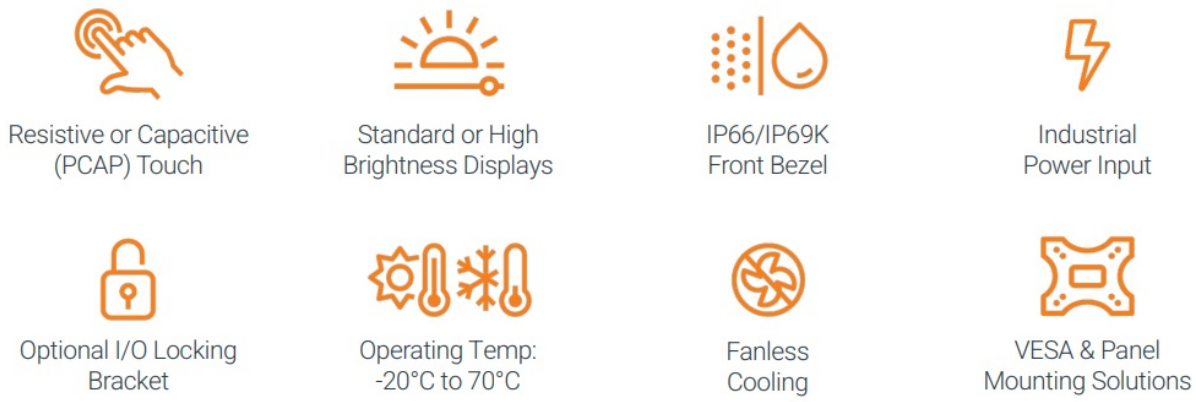
Maximum Uptime, Minimal Frustration

The TN101 is engineered to thrive in challenging food production, manufacturing, factory automation, in-vehicle, and energy management environments so you can focus on your operations, not the reliability of your HMI display.

Engineered To Last

The TN101 meets a wide range of industry-specific standards, and has undergone a variety of electromagnetic compatibility tests. The system is able to reliably operate in extreme temperatures, can accept power input ranging from 12 to 24 Volts, and is UV, moisture, and dust resistant.

Feature



Data & Control at Your Fingertips

Food Production

With IP66 and IP69 K-rated screen bezels, resistive or capacitive touchscreens and a range of mounting options, Tacton is a perfect fit for food manufacturing applications that may require equipment, including HMI systems, to be regularly washed down

Manufacturing & OEM

Tacton can be easily integrated into larger solutions, such as OEM products, or used on a manufacturing floor as a stand alone solution, making it an ideal HMI for a wide range of production environments.

Factory Automation

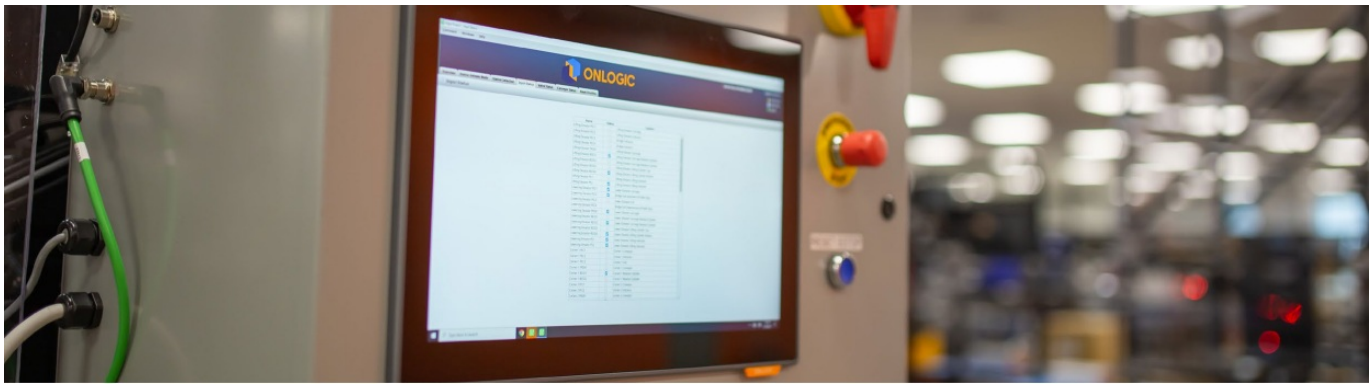
Modern automation solutions will benefit from Tacton's durable design, simple installation, and ease of integration with existing infrastructure, including accessible and physically secure connectivity to sensors and equipment.

Energy & Heavy Industry

Tacton is engineered specifically for harsh environments, with resistance to extreme temperatures, contaminant ingress, and shock & vibration. Available high brightness displays and optical bonding help enhance usability wherever it's installed.

In-Vehicle

Tacton has been tested to a range of shock and vibration standards to ensure reliability when deployed in vehicles or on other mobile systems. With built-in automotive ignition sensing, Tacton is ideal for installation on AGVs, dockside shipping machinery, or on forklifts



Specifications

System	
Panel Size	12.1” 1920×800 (WXGA) 16:10 15.6” 1920×1080 (Full HD) 16:9 21.5” 1920×1080 (Full HD) 16:9 Standard Brightness, High Brightness, Resistive & PCAP (Opti- cally Bonded) t ouch options View angle 160 H°/ 160 V° (min)
Panel Display Integrat- ed Peri pherals	1x Camera & Mic (optional): 2MP CMOS sensor supports 1080p and 720p @3 0fps 1x Proximity Sensor

I/O	
Power Button	Push
USB	4x USB 2.0 Type-A ports 1x USB 2.0 Type-B Touch input port
Display	1x Displayport (input)

Power Input	
Source	12~24VDC
Wattage	12.1” 13.8W nominal, 26.3W max (at 24VDC)
(display and peripheral	15.6” 17.4W nominal, 29.9W max (at 24VDC)
dependant)	21.5” 14.9W nominal, 27.0W max (at 24VDC) (nominal = PCAP Std. Brightnes s, no peripherals)

Mechanical	
Dimensions (WxHxD)	12.1”: 309.0 x 225.4 x 57.5 mm (WxHxD) 12.17 x 8.87 x 2.26 in (WxHxD) 15.6” : 394.8 x 259.4 x 59.5 mm (WxHxD) 15.54 x 10.21 x 2.34 in (WxHxD) 21.5” : 528.2 x 335.3 x 62.5 mm (WxHxD) 20.80 x 13.20 x 2.46 in (WxHxD)
Case Type	Fanless
Case Material	Aluminum & Steel
Weight	12.1” panel: ~3.2 kg / 6.9 lbs 15.6” panel: ~4.6 kg / 10.1 lbs 21.5” panel: ~ 7.5 kg / 16.4 lbs
Mounting Options	Panel VESA
Expected Life Cycle	5 Years from launch

Environmental & Regulatory	
Environmental	System Operating Temperature: -20~70° C (panel dependent). Please refer to Appendix H in Manual Storage Temperature: -10~85° C Operating Humidity: 0% – 90% (non-condensing) Front Panel IP Rating: IP66/IP69K depending on model. Proper installation is required. See manual for more information. Back IP Rating: IP50
Shock Tolerance	Tested according to IEC 60068-2-27 and MIL-STD-810G (516.6)
Vibration Tolerance	Tested according to IEC 60068-2-64 and MIL-STD-810G (514.6)

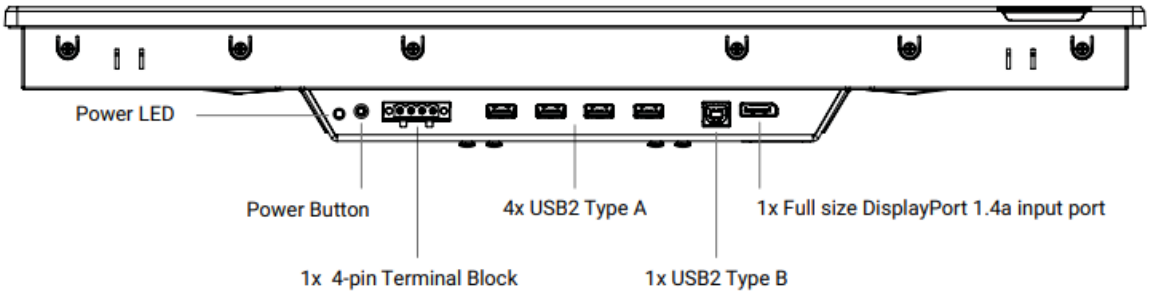
Certifications	UL/IEC/EN 62368-1 (UL E490677) NRTL + CB UL/IEC/EN 60950-1(UL E490677) NRTL + CB FCC 47 CFR Part 15 Subpart B (Class A) CAN ICES-003(A) / NMB-003(A) (Class A) CISPR 32/35 & EN 55032/55035 Radio Equipment Directive (2014/53/EU) RoHS 3 (2015/863/EU) WEEE Directive (2012/19/EU) REACH & CMRT Compliant Immunity per ISO 7637-2 & ISO 16750-2 EN 50121-3-2 IEC 60601-1-2, 4th ed. IEC 60945, 4th ed. ETSI EN 301 489 (parts 1; 17; 52) ETSI EN 300 328 ETSI EN 301 893 ETSI EN 301 908 ETSI EN 300 440 EN 62311
Countries of Use	Certification Markings: FCC, CE, UKCA, CB, cULus, VCCI, RCM, RoHS 3, WEEE Coming soon: BSMI, BIS, NOM equivalency Available Countries (incl Wifi/BT) Americas: Canada, United States, Mexico* Asia: China, Hong Kong, Japan Australasia: Australia & New Zealand Europe: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Cyprus, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Liechtenstein, Luxembourg, Malta, Norway, The Netherlands, United Kingdom, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden Coming soon: Taiwan, India, Saudi, UAE Colocation (Wifi/BT + LTE) approved countries: USA, CA, EU, UK, AUS/NZ Other countries available, please call. *: Limitations apply

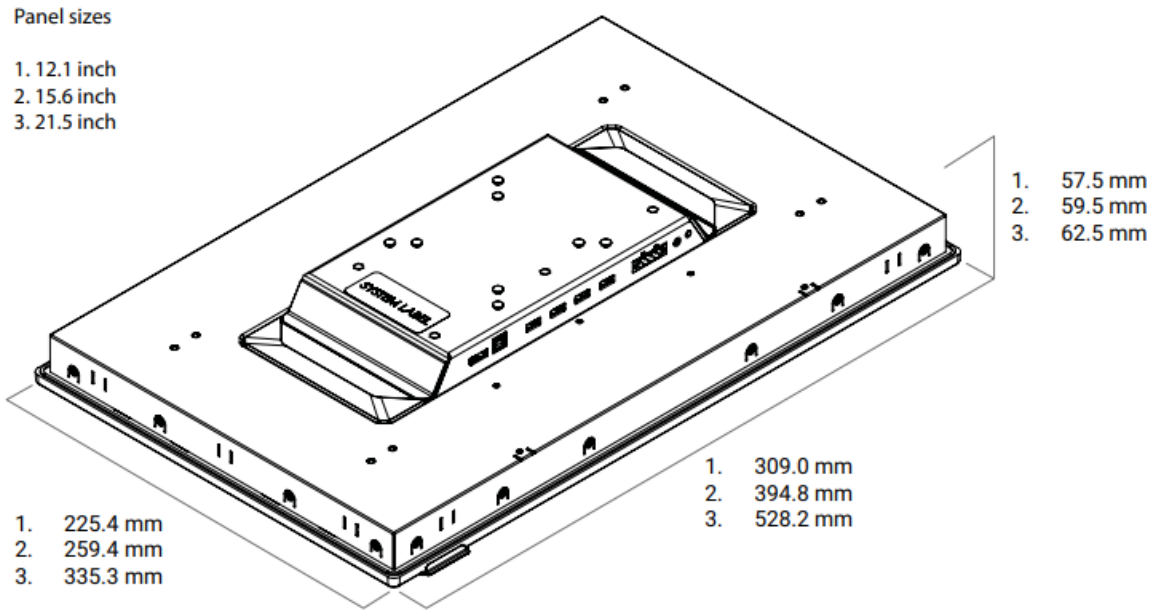
Other	
Warranty	2, 3, or 5 Years

Overview

Tacton TN101

Industrial Display





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Documents / Resources

ONLOGIC TN101 Tacton Industrial Display [pdf] User Guide
TN101 Tacton Industrial Display, TN101, Tacton Industrial Display, Industrial Display, Display

References

- onlogic.com
- User Manual