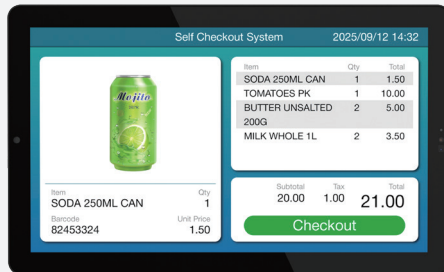


SPPC 16-10N150

15.6" TFT FHD 16:9 Slim Touch Screen Computer
Powered by Intel® Processor N150



Main Features

- 15.6" 16:9 FHD 450nits LCD panel
- 10-point PCAP multi-touch with AF film
- Slim compact chassis and fanless design
- Thickness only 20mm
- Support VESA mounting
- Support landscape/portrait mode
- Intel® Processor N150
- 1 x DDR5 SO-DIMM, up to 16GB
- 1 x M.2 Key M 2280 for storage
- USB Type-C supports optional Power Delivery 3.0
- TPM 2.0 design for security

Product Overview

The SPPC 16-10N150 is a 15.6" slim touchscreen panel PC, featuring an industrial-grade motherboard and designed for indoor applications in smart city environments. It features a 1920x1080 (FHD) industrial panel with 450 nits brightness. The front panel adopts a slim bezel design, PCAP touch, strengthened glass, and AF film for anti fingerprint and glass shatter protection to improve durability and user experience. Powered by the Intel® Processor N150 with integrated Intel® UHD Graphics, the system supports AI inference and delivers enhanced visual quality and graphics performance. A rich set of I/O interfaces including three USB 3.2 ports, dual 2.5GbE LAN ports, and dual COM ports enables connectivity with a wide range of peripheral devices. Flexible mounting options, combined with a slim and compact 20 mm design, facilitate effective utilization of the product in environments such as digital signage, self-service kiosks, smart retail, or restaurants.

Specifications

CPU Support

- Intel® Processor N150, PBP 6W

Graphics & Display

- Intel® UHD graphics

Panel

- LCD size: 15.6", 16:9
- Resolution: Full HD 1920x1080
- Luminance
 - LCD panel: industrial grade 450cd/m2
 - PCAP touch: 90% of panel's luminance after optical bonding
- Contrast ratio: 1000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)

Touch Screen

- 10-point PCAP (Projected Capacitive Touch)
- Optical bonding
- Glass surface treatment: AF (Anti-fingerprint) film

Main Memory

- 1 x DDR5 SO-DIMM, up to 16GB

Storage

- 1 x M.2 Key M 2242 SSD, supports SATA & PCIe signal

Expansion

- 1 x M.2 Key B 3042/3052, supports an SSD, 4G/LTE, or 5G module
- 1 x M.2 key E 2230, supports a Wi-Fi/BT module
- 1 x USB 2.0, Type-A (for BT dongle)

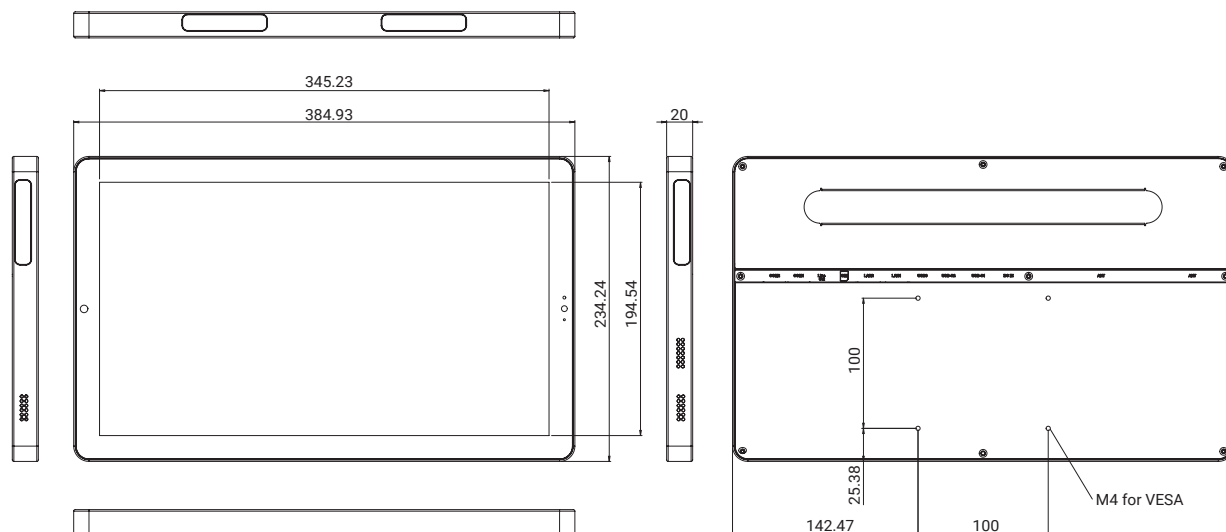
I/O Interface - Front

- 1 x Illuminance sensor
- 1 x Camera (webcam)
- 2 x 2W speaker
- 1 x Microphone
- 1 x LED indicator

I/O Interface - Rear

- 1 x USB, Type-C
 - DC 20V (default), 28V (optional PD 3.1 support) power input
- 2 x 2.5GbE RJ45 port, Intel® I226-V
- 2 x USB 3.2 Gen 1x1, Type-C, w/ DP Alt Mode (optional PD 3.0 support)
- 1 x USB 3.2 Gen 1x1, Type-A
- 2 x COM port (RJ45)
 - COM1 supports RS-232/422/485
 - COM2 supports RS-232
- 1 x Line out
- 1 x SIM card slot
- 2 x SMA antenna

Dimension Drawing



Power Supply

- Standard: 1 x 65W power adapter, DC 20V input via USB Type-C (PD 3.0)
- Optional: DC 28V input via USB Type-C (PD 3.1)

Mechanical & Dimension

- Aluminum and metal chassis with fanless design
- Color/Materia: black/white metal case
- Dimensions: 384.9mm (W) x 234.2mm (D) x 20mm (H)

Environment

- Temperature:
 - Ambient with 0.35 m/s air flow: 0°C~50°C
 - Storage temperature: -20°C~60°C
- Humidity: 90% (non condensing)
- Shock protection: 20G peak acceleration, 11ms according to IEC 60068-2-27
- Vibration protection:
 - Random: 2Grms@5Hz~500Hz, IEC 60068-2-64
 - Sinusoidal: 2G@5Hz~500Hz, IEC 60068-2-6

Certifications

- CE (EN 55035 + EN 55032)
- FCC Class A (EMI part 15B)
- LVD (EN 62368-1)

Operating System

- Windows 11
- Windows 10, 64-bit
- Linux

Ordering Information

- SPPC 16-10N150 (P/N: 10W70SPPC00X0)**
15.6" TFT Panel PC, PCAP, Intel® Processor N150