WOP-210K

10.1" WSVGA Operator Panel Installed with HMINavi Software



Features

- ARM9[™] 32-bit RISC processor with 64 MB SDRAM working memory
- Supports over 500+ PLC industrial communication protocols
- Backup memory 128KB for retaining critical data or parameter •
- Supports the HMINavi Designer development tool free on Windows 10
- Supports HMINavi Runtime data downloads through Serial, Ethernet, USB port
- No limitation on the internal I/Os points used for variety application
- Reliable firmware setting from HMINavi software for 24/7 operation •
- Easy to switch one application to different LCD sizes in seconds .
- Supports operation in both landscape and portrait mode
- Panel mount design ensures easy installation and IP66-rated front panel

Introduction

C € FCC

To fulfill the stringent standards of the automation market, especially for packaging, label slitting, and F&B applications, Advantech developed the WOP-200K series for diverse operations that involve PLCs, thermal controllers, inverters, and sensors. Powered by an ARM9™ 32-bit RISC processor with 64 MB working memory, the WOP-200K series systems are available with LCDs of varying size (from 4.3" to 15"). Additionally, WOP-200K systems are bundled with Advantech's HMINavi software - a human-machine interface designed for HMI applications to reduce labor and improve manufacturing efficiency through visualization. Powerful connectivity drivers support 500+ variety market brands of PLC.

Specifications

General

- CE, FCC, UL61010 Certification
- Dimensions (W x H x D) 270.1 x 212.1 x 43.4mm (10.63' x 8.35' x 1.71')

HMI RTOS, HMINavi Designer

 $24V_{\text{DC}} \pm 10\%$, Isolation

- Cutout Dimensions 259.5 x 201.5mm (10.22' x 7.93')

20W

- Front Panel Thickness 6 mm (0.23 in)
- Operating System
- Power Supply Voltage
- Power Consumption
- Enclosure Housing Plastic Panel
- Mount Options
- Weight (Net) 1.1 kg (2.43 lbs)

System Hardware

- CPU ARM9™ 32-bit RISC processor
- Battery Backup Memory 128KB
- Working Memory 64 MB SDRAM Storage 128 MB NAND Flash Runtime Max Size: 64 MB Data Logger Max Size: 64 MB

Communication Interface

- COM1 RS-232 (DB9 Female)
- COM2 RS-422/485 (COM1: Pin 1, 4, 5, 6, 9)
- COM3 RS-485 (COM1: Pin 5, 7, 8)
- Ethernet (RJ45) 10/100-BaseT
- I/Os
- 1 x USB (Client) 1 x USB (Host)

LCD and Touchscreen

- Display Type WSVGA TFT LCD
- Display Size
 - Max. Resolution
- Max. Colors
- Luminance (cd/m²)
- **Backlight Life** LED, 20,000 hr
- Touchscreen 4 wires analog resistive

Environment

- Operating Temperature -15 ~ 65°C (5 ~ 149°F)
 - Storage Temperature -20 ~ 70°C (-4 ~ 158°F)
- 95% RH @ 40°C, non-condensing - Humidity

10.1"

350

1024 x 600

65,536 colors

- Ingress Protection Front panel: IP66
- Vibration Protection 5 ~ 500Hz (X,Y,Z direction, 1Grms, 1hour per axis)

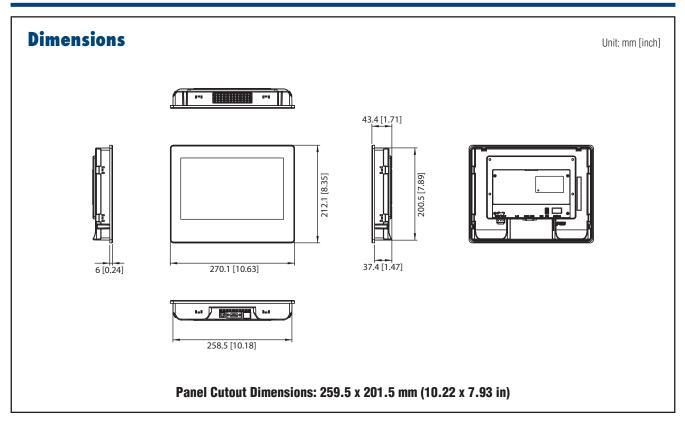
Ordering Information

- WOP-210K-NAE
 - 10.1" WSVGA, 64MB, 128MB(NAND), Serial x3, Ethernet

AD\ANTECH Industrial Operator Panels

All product specifications are subject to change without notice.

WOP-210K



Optional Accessories

Rear View

DIN-Rail Type Power Supply Module

- 96PSD-A60W24-MM A/D 100-240V 60W 24V MDR DIN RAIL
- 96PSD-A120W24-MN A/D 100-240V 120W 24V NDR DIN RAIL



Communication Links

