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

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

Certification CE, FCC, UL61010

Dimensions (W x H x D) 270.1 x 212.1 x 43.4mm (10.63' x 8.35' x 1.71')

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

Front Panel Thickness 6 mm (0.23 in)

Operating System
Power Supply Voltage
HMI RTOS, HMINavi Designer
24V_{DC} ± 10%, Isolation

Power Consumption 20W
Enclosure Housing Plastic
Mount Options Panel

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 N

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 1x USB (Client) 1x USB (Host)

LCD and Touchscreen

Display Type
Display Size
Max. Resolution
Max. Colors
Luminance (cd/m²)
Backlight Life
Touchscreen
WSVGA TFT LCD
10.1"
1024 x 600
65,536 colors
LED, 20,000 hr
4 wires analog resistive

Environment

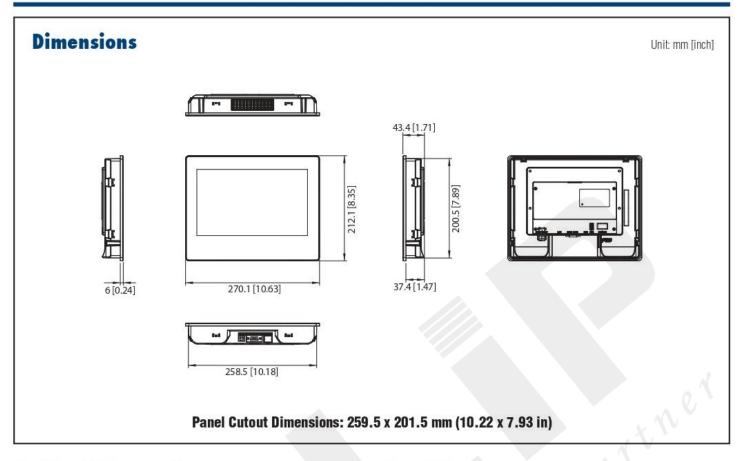
Operating Temperature -10 ~ 60°C (14 ~ 140° F)
Storage Temperature -20 ~ 70°C (-4 ~ 158° F)
Humidity 95% RH @ 40°C, non-condensing

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



Optional Accessories

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

Rear View



Communication Links

