WOP-207K

7" WVGA 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) 189.6 x 144.9 x 36mm (7.46' x 5.70' x 1.42')

Cutout Dimensions 175 x 132.5mm (6.89' x 5.22')

• Front Panel Thickness 6 mm (0.23 in)

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

Power Consumption 20W
 Enclosure Housing Plastic
 Mount Options Panel

• Weight (Net) 0.55 kg (1.21 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

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)

KS-485 (COMT: PIN 5, 7, 8

Ethernet (RJ45) 10/100-BaseT
 I/Os 1 x USB (Client) 1 x USB (Host)

LCD and Touchscreen

Display Type
 WVGA TFT LCD

Display Size 7"
 Max. Resolution 800 x 480
 Max. Colors 65,536 colors
 Luminance (cd/m²) 400

Backlight Life
 Touchscreen
 LED, 20,000 hr
 4 wires analog resistive

Environment

• Operating Temperature $-10 \sim 60^{\circ}\text{C} \ (14 \sim 140^{\circ} \ \text{F})$ • Storage Temperature $-20 \sim 70^{\circ}\text{C} \ (-4 \sim 158^{\circ} \ \text{F})$

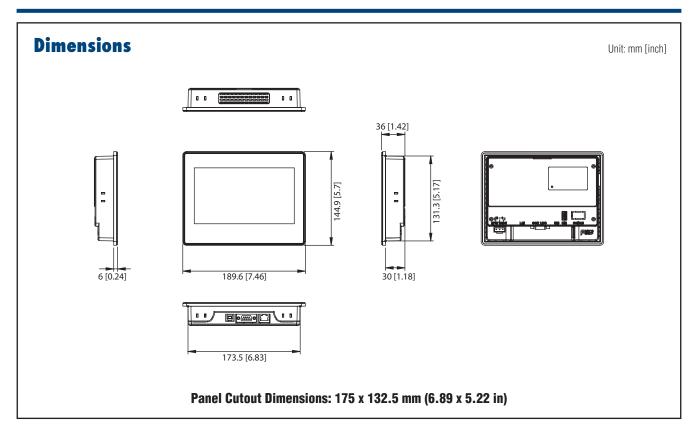
Humidity
 95% RH @ 40°C, non-condensing

Ingress Protection Front panel: IP66

• **Vibration Protection** 5 ~ 500Hz (X,Y,Z direction, 1Grms, 1hour per axis)

Ordering Information

■ WOP-207K-NAE 7" WVGA, 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

