WOP-212K

12" XGA 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) 335.4 x 245.8 x 60.3mm (13.21' x 9.68' x 2.37')

302 x 228.5mm (11.89' x 9') Cutout Dimensions

• Front Panel Thickness 6 mm (0.23 in)

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

 Power Consumption 20W Enclosure Housing Plastic Mount Options Panel

Weight (Net) 2 kg (4.41 lbs)

System Hardware

CPU ARM9™ 32-bit RISC processor

 Battery Backup Memory 128KB Working Memory 64 MB SDRAM 128 MB NAND Flash Storage

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 1 x USB (Client) I/Os 1 x USB (Host)

LCD and Touchscreen

Display Type XGA TFT LCD Display Size 12" Max. Resolution 1024 x 768 Max. Colors 65.536 colors - Luminance (cd/m²) 500 **Backlight Life** LED, 20,000 hr Touchscreen 4 wires analog resistive

Environment

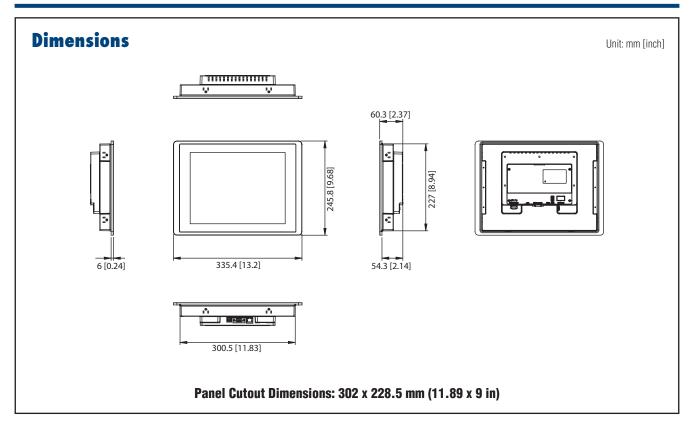
• Operating Temperature $-10 \sim 60^{\circ}\text{C} (14 \sim 140^{\circ}\text{ F})$ ■ Storage Temperature -20 ~ 70°C (-4 ~ 158° F) Humidity 95% RH @ 40°C, non-condensing

 Ingress Protection Front panel: IP66

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

Ordering Information

 WOP-212K-NAE 12" XGA, 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

