

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
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** WVGA TFT LCD
- Display Size** 7"
- Max. Resolution** 800 x 480
- Max. Colors** 65,536 colors
- Luminance (cd/m²)** 400
- Backlight Life** LED, 20,000 hr
- Touchscreen** 4 wires analog resistive

Environment

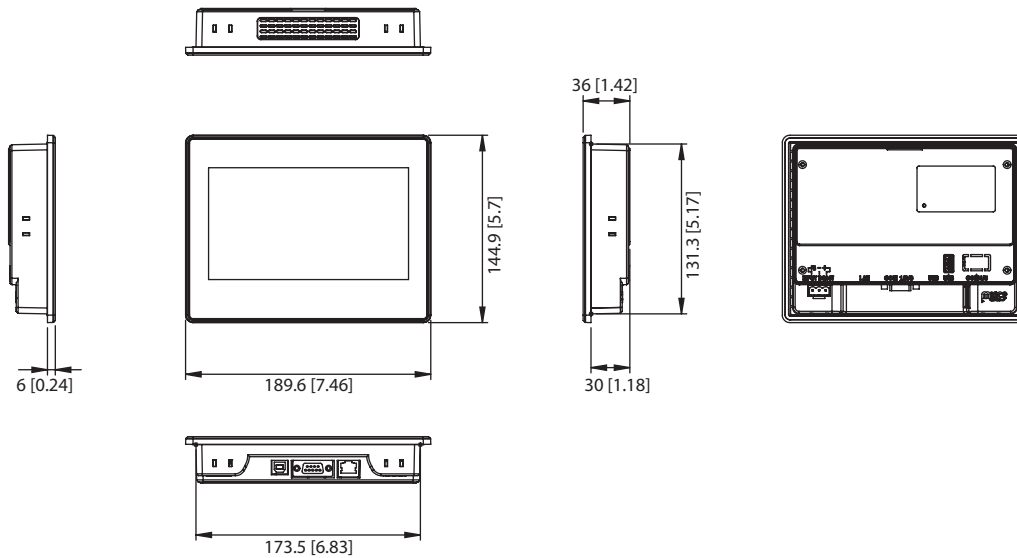
- Operating Temperature** -15 ~ 65°C (5 ~ 149°F)
- Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- Humidity** 95% RH @ 40°C, non-condensing
- Ingress Protection** Front panel: IP66
- Vibration Protection** 5 ~ 500Hz (X,Y,Z direction, 1Grms, 1hour per axis)

Ordering Information

- WOP-207K-NAE** 7" WVGA, 64MB, 128MB(NAND), Serial x3, Ethernet
- WOP-207K-SAE** 7" WVGA, 64MB, 128MB(NAND), Serial x3

Dimensions

Unit: mm [inch]



Panel Cutout Dimensions: 175 x 132.5 mm (6.89 x 5.22 in)

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

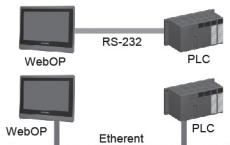
Rear View



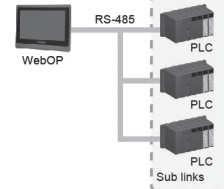
Communication Links

Direct Link

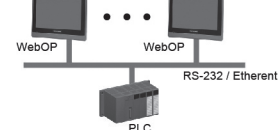
1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

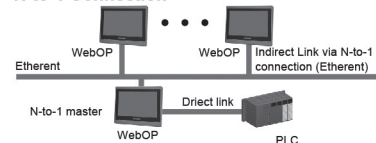


In-Direct Link

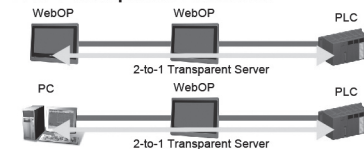
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



Pericom AG
 Moskau 314B CH 8262 Ramsen +41 52 740 00 55
 Waldstr. 7 D 78262 Gailingen +49 7734 48 70 343
 www.pericom.biz info@pericom.biz