WebOP-110K

10.1" WSVGA Operator Panel Installed with WebAccess/HMI Software

Features

- ARM9™ 32-bit, 300 MHz RISC processor with 128 MB flash memory
- Includes a RTC battery backup RAM 128KB
- Supports runtime data downloads through serial, Ethernet, and USB interfaces
- Supports brightness controls via touch panel
- Reliable firmware for 24/7 operation
- Supports the WebAccess/HMI Designer development tool on Windows XP/Vista/7/10
- Supports operation in both landscape and portrait mode
- Supports over 450 PLC industrial communication protocols
- Panel mount design ensures easy installation
- IP65-rated front panel

CE FCC

Introduction

To fulfill the stringent standards of the automation market, especially for packaging, label slitting, and robot dispensing applications, Advantech developed the WebOP-100 series for diverse operations that involve PLCs, motion/thermal controllers, inverters, and sensors. Powered by an ARM9™ 32-bit, 300 MHz RISC processor with 128 MB flash memory, the WebOP-100 series systems are available with LCDs of varying size (from 4.3 to 15"). Additionally, WebOP-100 systems are bundled with Advantech's WebAccess/HMI software – a web browser-based human-machine interface designed for HMI applications to reduce labor and improve manufacturing efficiency through visualization.

Specifications

General

- **Certification**   CE, FCC Class A
- **Dimensions (W x H x D)** 270.8 x 212.8 x 40.5mm (10.66" x 8.38" x1.59")
- **Cutout Dimensions**   259 x 201mm (10.20" x 7.91")
- **Front Panel Thickness** 6 mm (0.23 in)
- **Operating System**   HMI RTOS, WebAccess/HMI Designer
- **Power Supply Voltage** 24V$_{DC}$ ±10%
- **Power Consumption**   20W
- **Enclosure Housing**   Plastic
- **Mount Options**   Panel
- **Weight (Net)**   1.1 kg (2.43 lbs)

System Hardware

- **CPU**   ARM9™ 32-bit, 300 MHz RISC processor
- **Battery Backup Memory** 128KB
- **Flash Memory**   128M NAND flash

Communication Interface

- **COM1**   RS-232 (DB9 Female)
- **COM2**   RS-422/485 (DB9 Female)
- **COM3**   RS-485 (DB9 Female)
- **Ethernet (RJ45)**   10/100 BaseT (for NAE model)
- **I/Os**   1 x USB (Client)
  1 x USB (Host)

LCD and Touchscreen

- **Display Type**   WSVGA TFT LCD
- **Display Size**   10.1"
- **Max. Resolution**   1024 x 600
- **Max. Colors**   65,536 colors
- **Luminance (cd/m²)**   350
- **Backlight Life**   LED, 20,000 hr
- **Touchscreen**   4 wires analog resistive

Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140° F)
- **Storage Temperature**   -20 ~ 70°C (-4 ~ 158° F)
- **Humidity**   10 ~ 90% RH @ 40 °C, non-condensing
- **Ingress Protection**   Front panel: IP65
- **Vibration Protection**   10 ~ 55Hz (X,Y,Z direction, 1G, 30 minutes shock test)
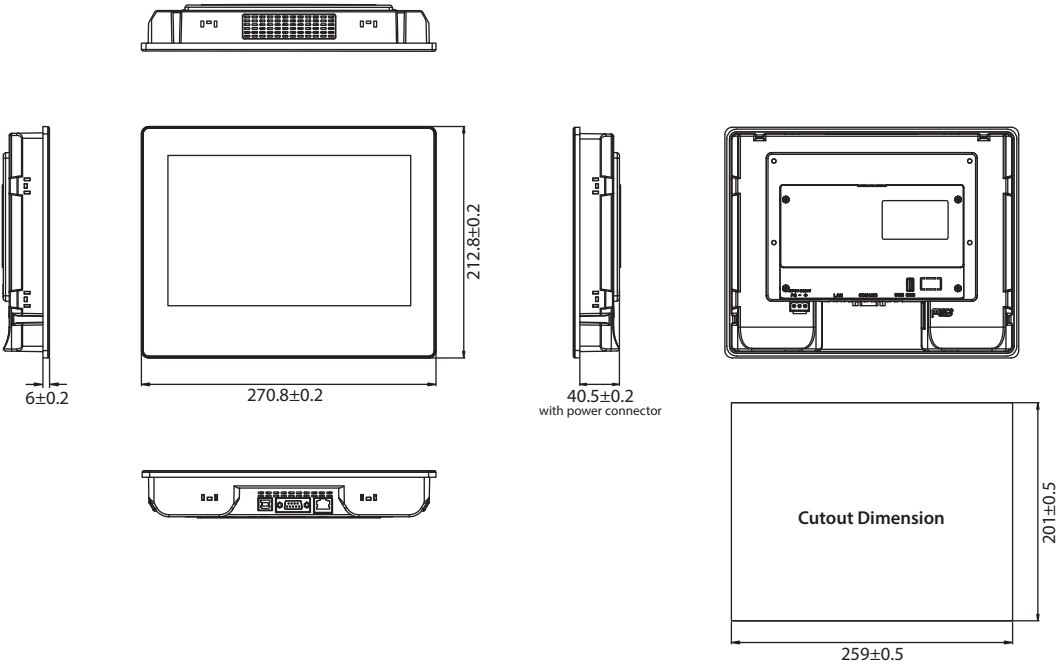
Ordering Information

- **WOP-110K-SAE**   10.1" WSVGA, 64MB/128MB, Serial x3
- **WOP-110K-NAE**   10.1" WSVGA, 64MB/128MB, Serial x3, Ethernet

Optional Accessories

- **PWR-247-CE**   100-240V 60W 24V 2.5A Power Supply
- **1702002600**   Power Cable US Plug 1.8 M
- **1702002605**   Power Cable EU Plug 1.8 M
- **1702031801**   Power Cable UK Plug 1.8 M
- **1700000596**   Power Cable China/Australia Plug 1.8 M

Last updated: 25-Jun-2019

Dimensions

Unit: mm

212.8±0.2

6±0.2

270.8±0.2

40.5±0.2
with power connector

201±0.5

Cutout Dimension

259±0.5

Panel Cutout Dimensions: 259 x 201mm (10.20" x 7.91")

Rear View

WOP-110K-NAE

USB Host

COM1 / COM2 / COM3
(RS-232 / RS-422/485 / RS-485)

Power Input

Ethernet

USB Client

WOP-110K-SAE

USB Host

COM1 / COM2 / COM3
(RS-232 / RS-422/485 / RS-485)

Power Input

USB Client