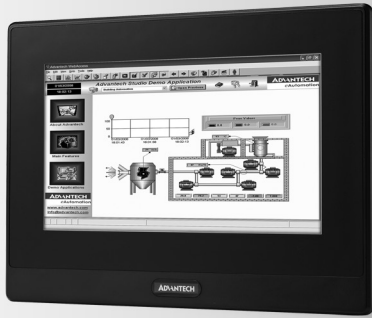# WebOP-2070K

7" WVGA Operator Panel with WebOP Designer Software

NEW

Features

- Various LCD sizes (4.3" , 7" , 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM
- Supports runtime data downloads through Serial, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- Supports Windows XP/7/Vista-based WebOP Designer development tool
- Easy to switch one application to different LCD sizes in seconds
- Supports vertical and horizontal application screen rotation
- Supports over 400 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is IP66 compliant

CE FCC

Introduction

To satisfy the stringent standards required in the automation market, especially packaging, label slitting, and motion-based robot dispensing, Advantech offers the WebOP-2000K series with 200MHz ARM9-based RISC CPU's and 128MB flash memory for application software. The WebOP-2000K series also support a variety of LCD sizes from 4.3" to 10.1" for different applications involving the use of PLCs, motion/thermal controllers, inverters and sensors. The WebOP-2000K series is bundled with WebOP Designer: a software development kit which helps create application solutions for labor-saving, improved efficiency of manufacturing and easy control of every machine in the factory. WebOP Designer offers an outstanding price performance ratio for various markets such as conventional operator panels, HMI + Low mini SCADA systems, and HMI + communication gateways.

Specifications

General

- **Certifications** CE, FCC Class A
- **Dimensions (WxHxD)** 204.4 x 151 x 26.5mm (8.05" x 5.94" x 1.04")
- **Cut-out Dimensions** 191.5 x 138mm (7.54" x 5.43")
- **Front Panel Thickness** 6mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 0.65 kg (1.43 lbs)

System Hardware

- **CPU** RISC 32 bits, 200 MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB + 128M NAND flash
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** None
- **COM3** RS-232 (Com1: Pin5;7;8)
- **I/Os** USB Client   Yes
          USB Host   Yes

LCD Display and Touchscreen

- **Display Type** WVGA TFT LCD
- **Display Size** 7"
- **Max. Resolution** 800 x 480
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 250
- **Backlight Life** LED, 20,000 hrs
- **Dimming** Adjustable by touch panel
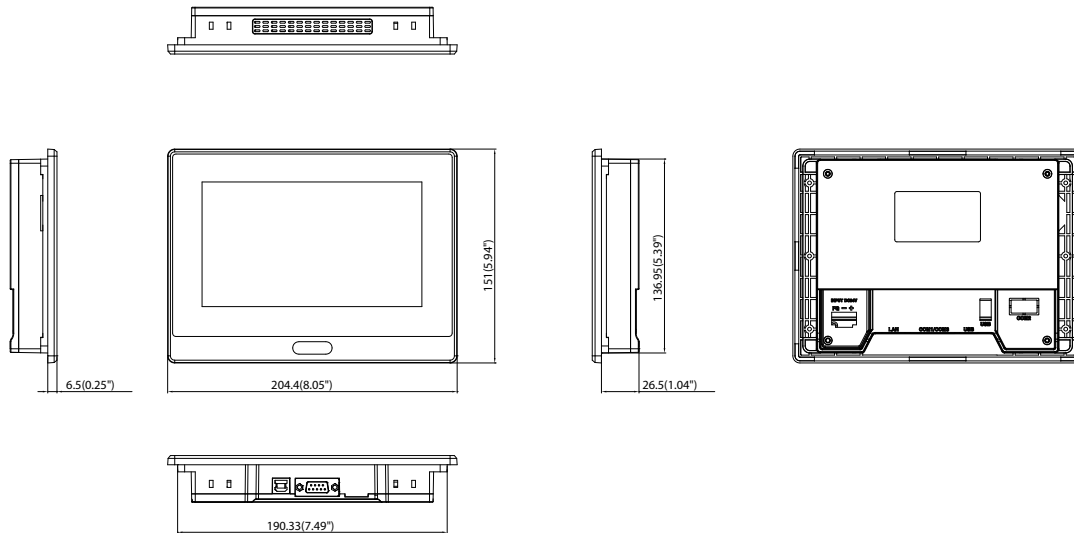- **Touchscreen** 4 wire analog resistive

Environment

- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: IP66
- **Vibration Protection** Operating, radom vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2070K-S1AE** 7" WVGA, 32MB, 8MB(NOR), 128MB(NAND)

Dimensions

Unit: mm

151(5.94")

6.5(0.25")

204.4(8.05")

136.95(5.39")

26.5(1.04")

190.33(7.49")

Panel Cut Out Dimensions: 191.5 x 138mm (7.54" x 5.43")

Accessories

- **CWOP-P2HFM-AD12E**   PC to HMI program download cable, DB9/2m
- **CWOP-P2HAB-ADU2E**   PC to HMI program download cable, USB/2m
- **PWR-247-BE**   63W DC 24V/2.62A Output 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

Rear View

USB Host

Power Input

COM1 (RS-232/422/485)

USB Client

ADVANTECH