WebOP-2100K

10.1 WSVGA Operator Panel with WebOP Designer Software

NEW

CE FCC

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

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)	269.8 x 212 x 37.4mm (10.62" x 8.35" x1.47")
Cut-out Dimensions	259.5 x 201.5 mm (10.22" x 7.93")
Front Panel Thickness	6mm
Operating System	HMI RTOS, WebOP Designer
Power Supply Voltage	$24V_{DC} \pm 10\%$
Power Consumption	10W
Enclosure Housing	Plastic
Mounting	Panel
Weight (Net)	1.1 kg (2.43 lbs)

System Hardware

CPU	RISC 32bits, 200MHz
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

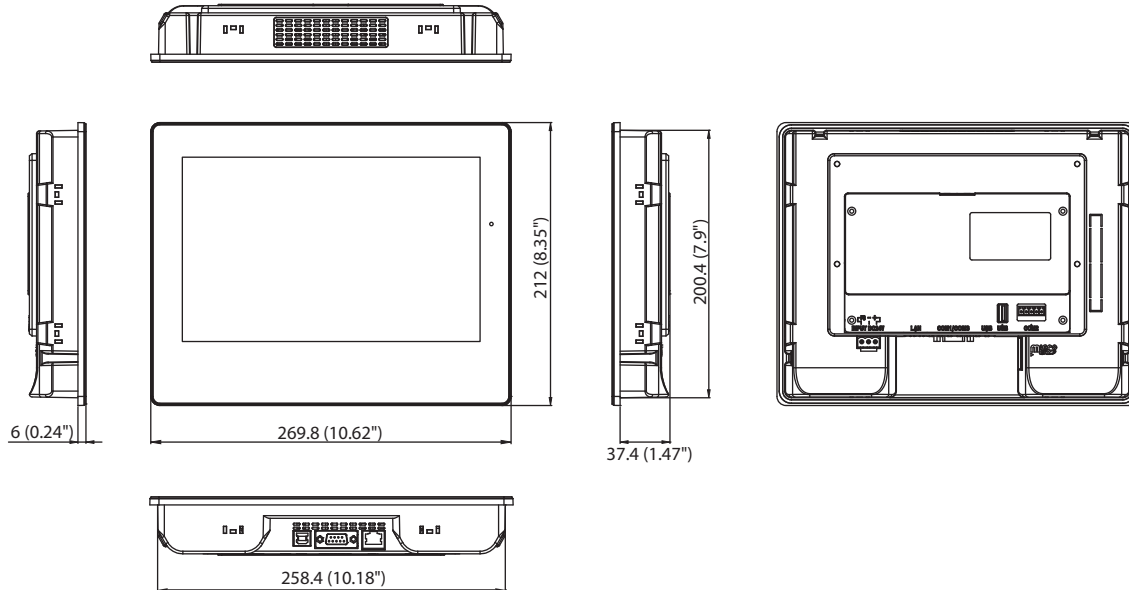|	
Display Type	WSVGA TFT LCD
Display Size	10.1"
Max. Resolution	1024 x 600
Max. Colors	65,536 colors
Luminance (cd/m²)	150
Backlight Life	LED, 20,000 hrs
Dimming	Adjustable by touch panel
Touchscreen	4 wire analog resistive

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-2100K-S1AE	10.1" WSVGA, 32MB, 8MB(NOR), 128MB(NAND)

Dimensions

Unit: mm

212 (8.35")
200.4 (7.9")
6 (0.24")
269.8 (10.62")
37.4 (1.47")
258.4 (10.18")

Panel Cut-out Dimensions: 259.5 x 201.5 mm (10.22" x 7.93")

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** 50W DC 24V/2.3A 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

USB Client

Power Input   COM1 (RS-232/422/485)